ggacgtttcc ctggcttacc gtgatgacgc atttgctgag tggactgaaa tggcccatga 180
aagagtacca cagaaactcg ag 202

<210> 1625
<211> 219
<212> DNA
<213> Homo sapiens

<400> 1625
gaattcgcgg ccgcgtcgac ccacatttcg tttgtgtctg tttccaccat tcatagaaac 60
cttggaacca ctctcacagc aatgctagga tgtttcatgg acctgttaag cattttgatg 120
atacaagaca tcctatcaat gccagtctta ttttcgctag gactctgctt ccacagtaag 180
ctcctaaggt gctcacccaa cccaggagaa aagctcgag 219

<210> 1626
<211> 389
<212> DNA
<213> Homo sapiens

<400> 1626
gaattcgcgg ccgcgtcgac gttgcagacc tcataatgac gctgacattt ccatttcgaa 60
tagtccatga tgcaggattt ggaccttggt acttcaagtt tattctctgc agatacactt 120
cagttttgtt ttatgcaaac atgtatactt ccatcgtgtt ccttgggctg ataagcattg 180
ctcgctatct gaaggtggtc aagccatttg gggactctcg gatgtacagc ataaccttca 240
cgaaggtttt atctgtttgt gtttgggtga tcatggctgt tttgtctttg ccaaacatca 300
tcctgacaaa tggtcagcca acagaggaca atatccatga ctgctcaaaa cttaaaagtc 360
ctttgggggt caaatggcat actctcgag 389

<210> 1627
<211> 265
<212> DNA
<213> Homo sapiens

<400> 1627
gaattcgcgg ccgcgtcgac cacatagaga cttaatttta gatttagaca aaatggaaat 60
tatttcatca aaactattca ttttattgac tttagccact tcaagcttgt taacatcaaa 120
catttttgt gcagatgaat tagtgatgtc caatcttcac agcaaagaaa attatgacaa 180
atattctgag cctagaggat acccaaaagg ggaaagaagc ctcaattttg aggaattaaa 240
agattgggga cgctccgaac tcgag 265

<210> 1628
<211> 232
<212> DNA
<213> Homo sapiens

<400> 1628
gaattcgcgg ccgcgtcgac gcatctcgta agagtaagaa tagttagata ttcttctgtg 60
ttatcttagt accattacca catctgagaa aattagcaat aattgttcag tttttctcc 120
aatctctatt caaaattgtc cccagtctat tttgtgggac ttgaaaaaaa tcagataaag 180
cagataaatc aaatacatac catttatgca tttgattgtt aggtgtctcg ag 232

<210> 1629
<211> 483
<212> DNA
<213> Homo sapiens

<400> 1629
gaattcgcgg ccgcgtcgac ggaggagaat gagtatgtta atgaagataa aaagaagtga 60
catctcttgt acactgaact cacagaacat ttgtttacaa ttctgtgtga ctgtctgctt 120
ggagtttaca tatcaaagtt ctgggctgtt tggtaacgta acgtttccaa acattttgtc 180

tggccaatgg gttctataga aaagtccgtt tagtgtagag aaattgaaaa cagatctatt 240
aggttggtgc aattgctttt gcaccaacct aatatttgat ggcagtggtt tatcatgata 300
taccttttat gaattaatgt ttataaatga ctgtactgaa tttaaaaccg tacagtttca 360
tttgcatttt gacattactt tattatacat tttgcattta aaaggctgca ccagttggct 420
tttcttctgt tttattctca aaatatagag attctgtgat ttatttgccc tgttctgctc 480
gag 483

<210> 1630
<211> 282
<212> DNA
<213> Homo sapiens

<400> 1630
gaattcgcgg ccgcgtcgac taaaaatagg tttttaaaat ttagctaagt cttaagtaat 60
ttgccgttgc taataatttt atctccttga gtcggttgtt ggggagagat tttatattca 120
ataattttta gttattttgt aatgcagagt gtttattcat ttcacagttc cgcaatggat 180
gtagtatttt gggattgccc tgtccagaaa attttcagct acacaccttt aaaggaaaat 240
gtttctatct cagatgaaac atgtaatttg ggatggctcg ag 282

<210> 1631
<211> 247
<212> DNA
<213> Homo sapiens

<400> 1631
gaattcgcgg ccgcgtcgac gagaatagtt cacaagtaag aattaaaata taggcccgtt 60
gttccatttt agtgggggtt gatacaaagc acccagaaag taaatgcttg agaatagttc 120
acaagtaaga attaaaatat aggcccgttg ttccataatg aaatcctata atttggccat 180
aaaactaata tttttaatta tttgcataat tggattaggg agcaagggta aagctgaaag 240
actcgag 247

<210> 1632
<211> 253
<212> DNA
<213> Homo sapiens

<400> 1632
gaattcgcgg ccgcgtcgac aaaaaagtca gttgtattgt aactcccttc ctacagacac 60
ctccccatag aataaaccca gaataaggat gacatttttg gtaaaactat tcactatatc 120
aatattacac attttccctg atatctgtag atctggacaa aaactaggta aaaatctagt 180
tcaagtatcg tgtaacttac agttatgcac cacctaccaa cgtttcaatt atttaacaat 240
ggactcactc gag 253

<210> 1633
<211> 388
<212> DNA
<213> Homo sapiens

<400> 1633
gaattcgcgg ccgcgtcgac ctgagattga cataatggtc agagaatcat ctcaggtctg 60
tctaattctc tatataaggc ggtatagcag atgtaacaag tatactctta actacagtgt 120
taaaaatgaa tggaaggact cagagtagtt gcttggagga tggtttggag gggagcaaag 180
taaatacagg gagaccagtt aggaggccct ttttcaggtg agagcttata tcttttgaat 240
tagggttatg gttgtagaga agatagatgt agaaggaaat gaaagaattt ttagggatat 300
gtcaaaaata actcctctgt agctttcaca attggggttt tgttgctggt gaaggggagt 360
ggtggttaag ttggaggctt ttctcgag 388

<210> 1634
<211> 306
<212> DNA

<213> Homo sapiens

<400> 1634
gaattcgcgg ccgcgtcgac atactgatca cgtgggatgt tgtttgccta cagggtaact 60
tggaggggtc agggtgcgta gtggcccaga gcatggtccc cagtgcccac ggatgagacg 120
gcgtgtgtgc tgtgaccctg ggcaacttag catcgctgag cctcagagtc agtgtgtaga 180
attatctaag gggcttgtta caagatgccg gcttcccacg gcttttgtca gtactcagtt 240
aatctgctgg tgcttgtaaa gcacctgaaa cagggtttgg ccttcagaaa atggcagcta 300
ctcgag 306

<210> 1635
<211> 203
<212> DNA
<213> Homo sapiens

<400> 1635
gaattcgcgg ccgcgtcgac aagtcctttg ccatgaggaa aaagtggttt tttgcttcat 60
atggtaaatc tatattattc atattgaatg tattaacaga taatggtgca aaagcattct 120
tcccagggga agagtgtatc atgcataact gcaatttaag tccttccttt gataatactt 180
caaaacatac acagctactc gag 203

<210> 1636
<211> 210
<212> DNA
<213> Homo sapiens

<400> 1636
gaattcgcgg ccgcgtcgac ctcaagatct ttgcaaatgt ttcttgtctg gatccccttc 60
ctcttcctgt caacttttc cctagttacc tcttacaatc cttcagaact cagatgcaaa 120
tcactttctc aaggcctcaa ggaagccttc tgtggccctc cggaacagat caagttcagg 180
ttcctgctta tttaccccac taaactcgag 210

<210> 1637
<211> 183
<212> DNA
<213> Homo sapiens

<400> 1637
gaattcgcgg ccgcgtcgac ccggagtact gttggctacc cctctgcttt cattccaaga 60
ttttttcttt atctttgatt ttagatttta tgcagtttaa atatgatatg cctaggtgta 120
gcatttgggg ctttgtgtgt gtgtgtgtgc gcgcgcgcgt gtgtgtgtat gagagagctc 180
gag 183

<210> 1638
<211> 241
<212> DNA
<213> Homo sapiens

<400> 1638
gaattcgcgg ccgcgtcgac gaataatgaa accaacgaat catctggatg ctttttatta 60
tcatcctgca gctgaaattc taaacaatat cagtgatagc atactcccca ttggggatca 120
gtatgaagaa ctgtgcctgc acagaaagcc ctcagtgcat tgtctcctgc tattattttt 180
ccttgaagtt ccatttctca tcattgactc aaaatccttc acgggccccc tactgctcga 240
g 241

<210> 1639
<211> 272
<212> DNA
<213> Homo sapiens

<400> 1639
gaattcgcgg ccgcgtcgac cagttttaca agtgcccagt gtgacaagta taccacgtgt 60
gaggttggcg ggaccagtct atgaggacag gaaagaacag tatgtgggca tctttatttc 120
cattagtcac tttttcattc aacaaataca tgttatgcaa tgcagccttt tgggtgttgt 180
gctgggcaga taaaagacac atcccacagg gtcttgccct taaggattct ccagtctggt 240
ataataatat gccaaaaacc acagcactcg ag 272

<210> 1640
<211> 244
<212> DNA
<213> Homo sapiens

<400> 1640
gaattcgcgg ccgcgtcgac ggtcaggcgg gaaaacggtc ataaaagtat ccaagtaagg 60
aaaagggaaa gctgggtaag gctgcaagcc ctcggacaag ggcggcccat gcaggccttc 120
cggtgcagtt ccgggggctg cgtattctct tccgggtgag gtcgcggctg ggaggggaaa 180
agctgggacg aggtaagggg cctggctggg caccatggcg gcaggtggga aggtcgggct 240
cgag 244

<210> 1641
<211> 555
<212> DNA
<213> Homo sapiens

<400> 1641
gaattcgcgg ccgcgtcgac cttcgactgg aagtcgcagc tggtcatcca ccgcaagggc 60
caccggccgg aggttccatg agcagccaga cagcacagtc cctcggggcc tcggtgttct 120
cggggcctgg atacagcctc tggggcacca gcagaagact ctggaggcag caggggatgc 180
cagagtgaac aaggggtccc aagccagttc cctgcccctg gtctggtctc ccccaaaaga 240
ctgggtgcaa ggaaaaggag ctgctctctc tcttcttgcc cctgcctcct agagggaggt 300
ctgggttccc ttctatggct gaccagtgcc tgtggggtga ctgccaagca ccaggctccc 360
tccctccctg tgacatggcc tgggctgaca acactccctc tcctgggacc tccttgcctc 420
aggtgggtgt tcaaaaactg tgccttccca ctcgtctgtg cagaggctgg gcctgaggtc 480
tcagtgtgga gagcagcaga agacccagga aagcacagtt ggcttccgtt tctcctgctc 540
ccctgtatgc tcgag 555

<210> 1642
<211> 217
<212> DNA
<213> Homo sapiens

<400> 1642
gaattcgcgg ccgcgtcgac attgaatgta tgtctttata tacttttttac tgagattttt 60
ctgttttatg gtagatactt taaatttttt atttatttca agtgtgttca taattgcttg 120
ttgaaaggtt tttatgatag ctgctttaaa aatctttgtc atctttgtgt tagtgtgttt 180
tgttgttgtc ttttctcatt tagttgaggt tctcgag 217

<210> 1643
<211> 224
<212> DNA
<213> Homo sapiens

<400> 1643
gaattcgcgg ccgcgtcgac attttatatt tggtgtattt aaggctacca aagaaaaaag 60
aatatcgaaa tagatttata tttatgaatt tcattgctgc cctaacttac tgccttattt 120
tctccatcct cccagcttgg atgactccta ttccaagtca ttcccacccc tcaggttgca 180
taggagccct tagtctactg cattcctcca gtgcagcact cgag 224

<210> 1644
<211> 249

<212> DNA
<213> Homo sapiens

<400> 1644
gaattcgcgg ccgcgtcgac ttcttacttc agcagttctt ttgtaaatta catttactgt 60
gtttttcata aaggtagaaa aaaattacca ataatttcag aaccaaagtc accattatta 120
ccattgacat ttaaaaaaat aatgttttat ggtggaatat tcttcaaaaa atactgcctc 180
atcagtgttt tttgcaagtc ttttcctgtg tttctttcat ttttctctaa aacaagcaaa 240
aatctcgag 249

<210> 1645
<211> 479
<212> DNA
<213> Homo sapiens

<400> 1645
gaattcgcgg ccgcgtcgac gggagggctt tgggttttga gctcagtgtt ctgggattca 60
tatctagagc tctcagattc atagccaggg ctccggggtt catacccggg gctccgaggt 120
tcatagccag ggctttgggg ttcataccta gggctctggg attcaaactc agggctctga 180
gaatctgatt cagggcttct gggtgcaaac tcagggcttg ggggcacaag cccagggctt 240
cgggactcaa accccgggct ttcaggctca aatctggggc tttggggttc aaactctggg 300
ctttgtggct caaacccagg gctctggggt tcaagcccaa atggtatctc ttcgacttca 360
tagtccccac tgccttcttg ctgagaaatt tcctcttcct cattctcact catgttgcct 420
ctgaggtacc cttcggggct cctcatttcg tcagaactct gcacatcctg gggctcgag 479

<210> 1646
<211> 235
<212> DNA
<213> Homo sapiens

<400> 1646
gaattcgcgg ccgcgtcgac atactataag gataaacaaa gtcaagtcca taaagcaata 60
atccctcaga aggaaagtcc ttacttttca catattaata tttagtaatt tttcctgctt 120
ctaaaagtga gagtatcaca ccctaaatga acactgtcta ctaagagaca tcattccatt 180
tccacaaatg aagattttat tccaagaaac gagtttactg attggagcac tcgag 235

<210> 1647
<211> 357
<212> DNA
<213> Homo sapiens

<400> 1647
gaattcgcgg ccgcgtcgac cttgctagct atggccctcg tactcggctc cctgttgctg 60
ctggggctgt gcgggaactc cttttcagga gggcagcctt catccacaga tgctcctaag 120
gcttggaatt atgaattgcc tgcaacaaat tatgagaccc aagactccca taaagctgga 180
cccattggca ttctctttga actagtgcat atctttctct atgtggtaca gccgcgtgat 240
ttcccagaag atactttgag aaaattctta cagaaggcat atgaatccaa aattgattat 300
gacaagattg tctactatga agcagggatt attctatgct gtgtcccgag gctcgag 357

<210> 1648
<211> 208
<212> DNA
<213> Homo sapiens

<400> 1648
gaattcgcgg ccgcgtcgac gtaagctggt ttctaccttc aggggtttta tgaaaactga 60
tctgggttat cagaaaaaga tgttaaaaca gaaaatgacc tttctgccag tgacttgtga 120
atgctttctg tgtttggtgc tccacctaac aaagtgtctg tttttgccct accaagtgct 180
agctttgggt gggacgaggg aactcgag 208

<210> 1649
<211> 153
<212> DNA
<213> Homo sapiens

<400> 1649
gaattcgcgg ccgcgtcgac gcctctataa atctgagtat tgactgctaa aagtcaatat 60
ctgctgttca ttcagaaaat gagggtactt aacttgagta gcattgtttt tcttgccctt 120
tcactcccac cccaggccct ggcagtgctc gag 153

<210> 1650
<211> 242
<212> DNA
<213> Homo sapiens

<400> 1650
gaattcgcgg ccgcgtcgac ctactacaga gttaggctta actccaccca acagccaagt 60
ctgaaaccac tgacggtacc atgagggctt tcattttctt tctcttcatg ctcctggcca 120
tgttctcagc atcttcaacc cagatttcaa ataccagtgt cttcaaacta gaagagaatc 180
caaaacctgc acttattctg gaggaaaaaa atgaagctaa ccatctagga ggacgactcg 240
ag 242
<210> 1651
<211> 286
<212> DNA
<213> Homo sapiens

<400> 1651
gaattcgcgg ccgcgtcgac ccaaaaccaa agaggaaagc caaatactac ctaagacaca 60
ttggcacctg agtatatatt agaaaactat gcaaataata attgcagctt ttgccagagc 120
tcaatttgct acttcagaga ttatattgct tataacccaa ctgcaacttg ctgctgtggc 180
actgactggt atttccagtg tccccatacg tagttctaat agggttacta atattttaat 240
aatatttgaa ttcctttgtc ataatgaatg tgccaaccaa ctcgag 286

<210> 1652
<211> 221
<212> DNA
<213> Homo sapiens

<400> 1652
gaattcgcgg ccgcgtcgac cagagtctac atagaactat gcttcgtggt gttctgggga 60
aaacctttcg acttgttggc tatactattc aatatggctg tatagctcat tgtgcttttg 120
aatacgttgg tggtgttgtc atgtgttctg gaccatcaat ggagcctaca attcaaaatt 180
cagatattgt ctttgcagaa aatcttagtc gatctctcga g 221

<210> 1653
<211> 319
<212> DNA
<213> Homo sapiens

<400> 1653
gaattcgcgg ccgcgtcgac ctatgttgct tgtctgaata acataataat atatagcaat 60
aacttttca ttgatttgaa taaatctatt gcatagaaat aggtgcacta ttgtagttgg 120
cccagacttt atttaaagaa aagcagttta aaatagattc atcacatatt tagttttaaa 180
tccccaattc agttttcttt gtttatagca atcaaattat taaatatatc ctattatact 240
atttttaatc ccctattccc aaaagataag ggaatttgaa agactgtgga aaatgatttt 300
aggacgggca tacctcgag 319

<210> 1654
<211> 319
<212> DNA

<213> Homo sapiens

<400> 1654
gaattcgcgg ccgcgtcgac tgccaatgtt ccatcgttgt ggaatcatgg cactggttgc 60
agcatacctc aactttgtaa gtcagatgat agctgtccct gcattttgcc agcatgttag 120
caaggttatt gaaattcgaa ctatggaagc cccttatttt ctaccagagc atatcttcag 180
agataagtgc atgcttccaa aatctttaga gaagcatgaa aaagatttgt actttctgac 240
caacaagatt gcagagtcgc taggtggaag tggatatagt gttgagagat tgtcagttcc 300
gtatgtacca ctactcgag 319

<210> 1655
<211> 233
<212> DNA
<213> Homo sapiens

<400> 1655
gaattcgcgg ccgcgtcgac aggtttctga gacatctttg gtttctaata tcttccatgt 60
caacacggat gatcacaggg tctatggtac cgttgcttca ggtgatatcc aggggttctc 120
ctatgtcttt tgaagattct agtcgaatca tcccactctt ttatcttttt agctccttgt 180
ttagtcattc actaatttcc atacatgata acgaattcta cggtgatctc gag 233

<210> 1656
<211> 585
<212> DNA
<213> Homo sapiens

<400> 1656
gaattcgcgg ccgcgtcgat ttagcctgga acagagcggc actcggcctg agcggctgta 60
tatccaggtg ttcttgaaga aggatgactc agtgggctac cgggctttgg tgcagacaga 120
ggatcatctg ctacttttcc tgcagcagtt ggcagggaag gtggtgctgt ggagccgtga 180
ggcgtccctg gcagaagtgg tgtgcctaga gatggtggac ctccccctga ctggggcaca 240
ggccgagctg gaaggagaat ttggcaaaaa ggcagatggc ttgctgggga tgttcctgaa 300
acgcctctcg tctcagctta tcctgctgca agcatggact tcccacctct ggaaaatgtt 360
ttatgatgct cggaagcccc ggagtcagat taagaatgag atcaacattg acaccctggc 420
cagagatgaa ttcaacctcc agaagatgat ggtgatggta acagcctcag gcaagctttt 480
tggcattgag agcagctctg gcaccatcct gtggaaacag tatctaccca atgtcaagcc 540
agactcctcc tttaaactga tggtccagag aactactagc tcgag 585

<210> 1657
<211> 340
<212> DNA
<213> Homo sapiens

<400> 1657
gaattcgcgg ccgcgtcgac tcatattggt cccccatgga cagcttttcg tctctaatac 60
catacactca gtgcagggtc tgaatgtccc cccaaactca tatgttgaac tccaaatccc 120
caaggtgttg gtattagatg atgtagcctt tgggaaggaa ttagggtggt gccctcatga 180
atgggatttg tgtcattata aaacaagccc aaagaaattt ggtcacccct tcctttaagc 240
gaggtcatgg caaaaagacg ctgtatatga accagaaaat gggctctcac tagacaccaa 300
atgctggtgt cttgttcttg gatttcccag cccactcgag 340

<210> 1658
<211> 312
<212> DNA
<213> Homo sapiens

<400> 1658
gaattcgcgg ccgcgtcgac agcacacctc aaactaacac agtccctatc aaacctttga 60
tcagtactcc tcctgtttca tcacagccaa aggttagtac tccagtagtt aagcaaggac 120
cagtgtcaca gtcagccaca cagcagcctg taactgctga caagcagcaa ggtcatgaac 180

ctgtctctcc tcgaagtctt cagcgctcaa gccagagaag tccatcacct ggtcccaatc 240
atacttctaa tagtagtaat gcatcaaatg caacagttgt accacagaat tcttctgccc 300
gatgccctcg ag 312

<210> 1659
<211> 219
<212> DNA
<213> Homo sapiens

<400> 1659
gaattcgcgg ccgcgtcgac gctactggct caaattcagg ttctggcgtc aaatagcgac 60
atttccagtt tctcttaaaa accgtgtttg gtttcagttg ggataggctt gttttgtctg 120
ttgaaaatgt ttctagtttt ttttctttca tttttctctc attccatttc tgccttaact 180
ttagtttgtt cacagggagg caaagctgac aatctcgag 219

<210> 1660
<211> 129
<212> DNA
<213> Homo sapiens

<400> 1660
gaattcgcgg ccgcgtcgac agctactaaa tctggtctaa tagtcaagac catcgcattt 60
gaagttctaa tttttattat ttagttcata actaaaatga tttccttctg gaataaactt 120
gtactcgag 129

<210> 1661
<211> 245
<212> DNA
<213> Homo sapiens

<400> 1661
gaattcgcgg ccgcgtcgac gttatgtgcc cagaagatct gagtgtttca ttagtaattg 60
gaattctcct ctggaatctg actatcccag tggaaaaggg agatcatccc ggcatctgga 120
tcctccctgc acatttgatt ccacttggaa aactttggtg ctgcctttcg aggacagagg 180
ccgagggttg gctctctcca acaggcagtt acagcttgaa ttctgcttct tccccaagac 240
tcgag 245

<210> 1662
<211> 266
<212> DNA
<213> Homo sapiens

<400> 1662
gaattcgcgg ccgcgtcgac atgtgtgaag ccttcttcca gcaagaagca aaagaaaaag 60
aaagagctga acccagagca aaagtcaaaa gagaagctga aaaggagaca tgcgatgaat 120
ttcggagact tttgcaaaat ggaaaacttt tctgcacaag agaaaatgat cctgtgcgtg 180
gcccagatgg caagacccat ggcaacaagt gtgccatgtg taaggcagtc ttccagaaag 240
aaaatgagga aagaaagaga ctcgag 266

<210> 1663
<211> 252
<212> DNA
<213> Homo sapiens

<400> 1663
gaattcgcgg ccgcgtcgac gaaaaatttc tctttcacag tctcagctct agacaattgt 60
tatcttgtgg gatgctggcc tcatgttgcc agaatgtcgg attttacaag ggaagccaga 120
aatctgggtt ttcagataaa ttttttcact atttttattt tatttattta ttttttgaga 180
tggagtttcg ctcttgttgc ccaaggcgga gtgcaatggc gcaatctcag ctcaccacaa 240
cccccactcg ag 252

<210> 1664
<211> 335
<212> DNA
<213> Homo sapiens

<400> 1664
gaattcgcgg ccgcgtcgac ctgaaatggc tgtctgtcat gcttgccatt tttatgaaac 60
actttattgc aggtcagcta ttattgcacg tgctacttca agtcactggc tcaggctggt 120
gtcatgtgtg gtttgctgca aacggcagcc tgctttgcag tgtgagctct tcctggaaac 180
agcagtctct tgtagctgat gccacatcag ctttaagtca ttaggaagat attctaggcc 240
ccttgttgct tcagccatca gtctataaat cacacaacac taattttcca tcaagtaaca 300
gcttaaaaca gaacactgtc aaaccacaac tcgag 335

<210> 1665
<211> 230
<212> DNA
<213> Homo sapiens

<400> 1665
gaattcgcgg ccgcgtcgac ctcagatctc ttaatggaaa gctttgatat atttcatgtg 60
tgtttttaaa tagcattcaa tgtatgttta aatataggag tgtcctgtga gtggctcccg 120
gggagcagcc ggaagtgttg tactcggctg tctattgtgt gtgggagagt ctttctgttg 180
actgtggatc tcatatttat gaggactgca tgcaaggatt gcctctcgag 230

<210> 1666
<211> 260
<212> DNA
<213> Homo sapiens

<400> 1666
gaattcgcgg ccgcgtcgac ccccttttat catttgccac agaaggctgc tgtctccctt 60
ctgatttggt gggcaggtat tgtttttgag ccagtattta acagagtttt ttaatctata 120
agatttttt tgaatctatt tcattgtgtt tgtttttcat gttggaacaa tctctctgga 180
agtgcctctt cttgtggctt ttacaacttc atttctttct ggggtcacct gtgatgggct 240
ttgatgtggt ggagctcgag 260

<210> 1667
<211> 202
<212> DNA
<213> Homo sapiens

<400> 1667
gaattcgcgg ccgcgtcgac caccgtcaat gaaagtgtct gacctttctg cctctgcctc 60
cttactccta gcctgccggg atgggaccaa tgcccaccag gatcttgtcc cctccatgtc 120
accgaactgg tcctgtctca gccttcacct gacctgcgcc ctcagcagcc aggcacatgc 180
tgcctctccc tcctccctcg ag 202

<210> 1668
<211> 275
<212> DNA
<213> Homo sapiens

<400> 1668
gaattcgcgg ccgcgtcgac atttgatagt tgattttcat atgtctttta ccttttaaaa 60
tcctccattt cattcattgc tgtcttttgt gttgatattt aaaattaatc tatttttatt 120
tctttaaaaa atttttctcc taatctctgt gttggtcaat tttgtgtttt ttttttttt 180
ttgtaatgaa atgttttgat tctattctca tttcttttgt ggctatttta aagatattta 240
gtatttttctt tgtggttacc atgggggaac tcgag 275

<210> 1669

<211> 286
<212> DNA
<213> Homo sapiens

<400> 1669
gaattcgcgg ccgcgtcgac cccattcatc ttattctttc ttaaataaat atctaatcat 60
gttatttccc tgcttcaaaa actttctaat tatttccctg ttgtcttcaa gatcagacca 120
aacttcccag caacactctt caaaatctga ttccagcctc ctggtacagt gtcatctctc 180
ctcagcacac tccaggtccc tgacacacga gccagtgttt ctcctattcc cattgcctat 240
aggattcctc cccacccatg acttgtcccc ctgcacctgc ctcgag 286

<210> 1670
<211> 290
<212> DNA
<213> Homo sapiens

<400> 1670
gaattcgcgg ccgcgtcgac caaaacatct gcacgacagc tacgggcagt tcatcaacac 60
aggagatctt gaataataat caaggattaa ttaagtttaa agcgtatcac attttgtacc 120
agtgtcagaa tctgggggag gaagaacaat taaaaaagaa ttaggggttt ttattggtaa 180
atccaaattc attcctaaat caaatgatga aaatatttgt cgttgttaat actctaaccc 240
atttaatatg tgcctgtctc ttcaaaacac taggaagcac cccactcgag 290

<210> 1671
<211> 240
<212> DNA
<213> Homo sapiens

<400> 1671
gaattcgcgg ccgcgtcgac ggtggtagaa gtaacctgaa atagagatac atttaaatat 60
ctgagtgagt gatttcagca aaggagagag accctgtgtt actattttag gagtgctctt 120
gattgtgtga acccgttgaa tacaccactt actaaccgag cccggccatt ttgctcagat 180
tattcagagc tctcaggccc attcagaatg aaattcaaaa tctttaccat gacgctcgag 240

<210> 1672
<211> 274
<212> DNA
<213> Homo sapiens

<400> 1672
gaattcgcgg ccgcgtcgac cttagctgtt aaaacttcta gattgaaatt tgacagccag 60
ggttacatat tggggacttt taaagtgtct ttccaaagag atttcattaa ccgtttagat 120
tagaatatct ttcccaattg ttacagtgac atatatgctg caatatttaa caactggagt 180
attagccaca tgggttattt tttcaatctg tgttttgaat ttttttattg tgtgttattt 240
aaaatattac atatgcagcc gggagaacct cgag 274

<210> 1673
<211> 239
<212> DNA
<213> Homo sapiens

<400> 1673
gaattcgcgg ccgcgtcgac tggaatatca aattttcatt tctttttcta acacttgagc 60
tttctacttg acacaggcaa gaaatagagt ggagctttat tgtagcctct gctttcagaa 120
acaggacata atattagttc atttccaagg attgggacat ctaatattag ttaattctaa 180
ggatttttaa tttgatgttt tcagtgtttc atattcacct tctagtgtat agtctcgag 239

<210> 1674
<211> 297
<212> DNA

<213> Homo sapiens

<220>
<221> unsure
<222> (22)..(24)

<400> 1674
gaattcgcgg ccgcgtcgac cnnnaaaccg tcgattgaat tcataccttg tctcagatct 60
ctcctggtac ccctttccca cgcccttaga taatccatct caattcctca tgctaattga 120
ggagctatgg ctgcaaggca cctttccagga tttcacacct acacaaatct cctttttctc 180
cttttgcctt ctctgcttat gggatattct gagtccccac ccccaatcac tgacagctgg 240
gccccccttca tcagcctcac acaccacgta ttaagtcagt cacaatctcc cctcgag 297

<210> 1675
<211> 260
<212> DNA
<213> Homo sapiens

<400> 1675
gaattcgcgg ccgcgtcgac tgaaactata tcatttattt tttcatttat cactgctgtt 60
gtgttttgtt taattttaaa ctgtttcctt ctacttgagt ataagtctca gaaggcagga 120
gcttgctatc ctattcacct aaggtaaggg taccattatt taaaacagta ccttaagtct 180
aaaatatgaa cagttcagca ataagagcta aataatagtt taacaaaatg ttatcacata 240
tctacacaat agcgctcgag 260

<210> 1676
<211> 376
<212> DNA
<213> Homo sapiens

<400> 1676
gaattcgcgg ccgcgtcgac gcgtgatcag aatggtgtct ggacggttct acttgtcctg 60
cctgctgctg gggtccctgg gctctatgtg catcctcttc actatctact ggatgcagta 120
ctggcgtggt ggctttgcct ggaatggcag catctacatg ttcaactggc acccagtgct 180
tatggttgct ggcatggtgg tattctatgg aggtgcgtca ctggtgtacc gcctgcccca 240
gtcgtgggtg gggcccaaac tgccctggaa actcctccat gcagcgctgc acctgatggc 300
cttcgtcctc actgttgtgg ggctggttgc tgtctttacg tttcacaacc atggaaggaa 360
tgccaaccat ctcgag 376

<210> 1677
<211> 208
<212> DNA
<213> Homo sapiens

<400> 1677
gaattcgcgg ccgcgtcgac ctttgttgct agtccaaatc ctctgatttt ggtttgattt 60
gtcctagcag atccctgaac ttcagagagt attgccattt ggattcatgg agttggcgaa 120
ctgctacact gctaccttgt gtatggcttt aagctttgat cctaatgact ggttgatgat 180
catgataata ttagagccag tgctcgag 208

<210> 1678
<211> 363
<212> DNA
<213> Homo sapiens

<400> 1678
gaattcgcgg ccgcgtcgac actggcagtt caaaaactag tacagaaagt tggatttttt 60
ggaattttgg cctgtgcttc aattccaaat cctttatttg atctggctgg aataacgtgt 120
ggacactttc tggtaccttt ttggaccttc tttggtgcaa ccctaattgg aaaagcaata 180
ataaaaatgc atatccagaa aatttttgtt ataataacat tcagcaagca catagtggag 240
caaatggtgg ctttcattgg tgctgtcccc ggcataggtc catctctgca gaagccattt 300

caggagtacc tggaggctca acggcagaag cttcaccaca aaagcgaaat gggcacactc 360
gag 363

<210> 1679
<211> 260
<212> DNA
<213> Homo sapiens

<400> 1679
gaattcgcgg ccgcgtcgac cgtcgattga attctagacc agcctgggga aacatagtga 60
gaccctatct ctactgaaaa aaaaagagag agagaaagct tcgagaggag atgagaccat 120
tctttatttc ttatttttctt ctttctggtg actgccagct cgctcagatt cctccacctt 180
ccttgctggg gtgctgccct atcagcccca ccctttctat tcctagaagt gaaagctggc 240
atcttcccca caacctcgag 260

<210> 1680
<211> 377
<212> DNA
<213> Homo sapiens

<400> 1680
gaattcgcgg ccgcgtcgac gctctatcta tgaatctgat aaaggccttc cttcaactgg 60
agacaatttg ggatgttgca aaacaaggtt tgggaagccc ttctatggat cggttttgtg 120
tccaagtctg tccctgccaa aagccatcaa aagtctccat caccctgggg ctccagtctg 180
ctacccccag acttggcagc tgggatctct ccttcctggt tcatagttct cattcccacc 240
cctcagcgat ggagttagag ttccaggccc acgtggtgaa cgagattgtg agtgtcaaga 300
gggaatacgt agtttatgat ctgaagaccc aagtcccacc ccagcagctg gtgcccaggg 360
gtgatggaga actcgag 377

<210> 1681
<211> 237
<212> DNA
<213> Homo sapiens

<400> 1681
gaattcgcgg ccgcgtcgac cacttccaga atgtccatca ggttgatcat gatgtttttg 60
tgtgtcttct tgtacttccc gacacgtagt gagacagtga gccagccagg gcgccccgtg 120
cacatgaagg tcttgctacc ctgctccttc cattcccgca cctgcttctg gatgtcccgc 180
acgcgctgct cgtgcaggcg cggagcgctg ctgagcttga acaccaccca gctcgag 237

<210> 1682
<211> 275
<212> DNA
<213> Homo sapiens

<400> 1682
gaattcgcgg ccgcgtcgac ggacgcttcc acttgatgcc ataggtcttg gaggaattgg 60
gacccaggtc cttgtaaccc aggctctggg gtaccggggg gaaggcctca tcacggaaga 120
gggtcccact ctgcaggcaa acccccagtt cattgtggat ggagctaccc gcacagacat 180
ctgccaggga gcaatggggg actgctggct cttggcggcc atcgcctccc tcactctcaa 240
cgacaccctc ctgcaccgag ggtatgtttc tcgag 275

<210> 1683
<211> 205
<212> DNA
<213> Homo sapiens

<400> 1683
gaattcgcgg ccgcgtcgac caggcatcta tgggatgtgg aatctgtatg tctttgctct 60
gatgttcttg tatgcaccat cccataaaaa ctatggagaa gaccagtcca atggcgatct 120

gggtgtccat agtggggaag aactccagct caccaccact atcacccatg tggacggacc 180
cactgagatc tacaagcgac tcgag 205

<210> 1684
<211> 274
<212> DNA
<213> Homo sapiens

<400> 1684
gaattcgcgg ccgcgtcgac ctgtgacagg atcaatgttt atggcatggt gcccccagac 60
ttctgcaggg atcccaatca cccttcagta ccttatcatt attatgaacc ttttggacct 120
gatgaatgta caatgtacct ctcccatgag cgaggacgca agggcagtca tcaccgcttt 180
atcacagaga aacgagtctt taagaactgg gcacggacat tcaatattca ctttttttcaa 240
ccagactgga aaccagaatc acttgcaact cgag 274

<210> 1685
<211> 222
<212> DNA
<213> Homo sapiens

<400> 1685
gaattcgcgg ccgcgtcgac gattgaattc tagacctgcc tcgagatgat tctccttcag 60
ctttttctttc tcccggtctt ttgcgtctct tctcctctcc ctctgtctgt ctctgtcccct 120
ctccccacga ggactctcct tagcggtgtg gacttcggcc accctgtctc tgctcctggc 180
atcctggtcg ggatccctgc acctcggctc cattcactcg ag 222

<210> 1686
<211> 197
<212> DNA
<213> Homo sapiens

<400> 1686
gaattcgcgg ccgcgtcgac tagaccagcc tctagcttac ctgccaataa attaaaaatat 60
atagtgtgtc tattcttgat aaaacctcta gcaacccctt ccattttcaa tcagaatacc 120
accaaataat ttaaaagcat ttttaataga cttttaaaaa tatgctaata aaatctagtt 180
atctcctgta cctcgag 197

<210> 1687
<211> 328
<212> DNA
<213> Homo sapiens

<400> 1687
gaattcgcgg ccgcgtcgaa tgggcttggg aaacgggcgt cgcagcatga agtcgccgcc 60
cctcgtgctg gccgccctgg tggcctgcat catcgtcttg ggcttcaact actggattgc 120
gagctcccgg agcgtggacc tccagacacg gatcatggag ctggaaggca gggtccgcag 180
ggcggctgca gagagaggcg ccgtggagct gaagaagaac gagttccagg gagagctgga 240
gaagcagcgg gagcagcttg acaaaatcca gtccagccac aacttccagc tggagagcgt 300
caacaagctg taccaggacg atctcgag 328

<210> 1688
<211> 379
<212> DNA
<213> Homo sapiens

<400> 1688
gaattcgcgg ccgcgtcgac gtggcagagg tgcttgtgtt tttgtcggta caggagagtc 60
gctatggcgg cggtggattc ggatgtcgaa tcgctgccgc gtgggggttt ccgctgctgc 120
ctctgccacg ttactacagc caaccgaccc agccttgatg cccacttggg aggcagaaag 180
caccggcacc tggtagaact acgagctgcg agaaaggccc agggacttcg aagtgtgttt 240

gtcagtggct ttcccaggga tgtggattct gctcagctct ctgagtactt cctagcattt 300
ggacctgtgg ccagtgttgt catggacaag gacaagggag tgtttgccat tgtggagatg 360
ggggacgtgg gtgctcgag 379

<210> 1689
<211> 406
<212> DNA
<213> Homo sapiens

<400> 1689
gaattcgcgg ccgcgtcgac ctttaagcaa acctgaaccc acctatgtgt cacccccctg 60
cccccgcctc tcccacagca cacctggcaa gagcaggggg caaacctaca tctgccaggc 120
ctgtaccccc acccacggcc cttctagtac cccctctcca tttcaaacag atggggttcc 180
ttggacacca tcccccaagc acagtgggaa gacaactcca gacataatta aagactggcc 240
caggaggaag agggcggtgg gctgtggcgc cggctcctct tccgggaggg gcgaggtcgg 300
tgcagacctt cctgggagcc tgtcactgct tgagacagag ggcaaggacc acggccttga 360
actcagcatc cacaggacgc ccatcttgga ggattttgag ctcgag 406

<210> 1690
<211> 221
<212> DNA
<213> Homo sapiens

<400> 1690
gaattcgcgg ccgcgtcgac cttaagggtg tataacaaga ctttggagac agaccagaat 60
ttaaactcta gttttaccac ttttaaccag ctatgttcaa gttaatttat ctttttttaa 120
atattgaaaa acttatgaga ttttcaaaca tgcacaaaac agggaacagt ataattaacc 180
cccatatgtt cattacacat attcaagagt caactctcga g 221

<210> 1691
<211> 320
<212> DNA
<213> Homo sapiens

<400> 1691
gaattcgcgg ccgcgtcgac gttttagaaa acttgtttat ttgcctgtgt gcggtagggg 60
ctcttcaagc atccacctga gttccttatt gctgattctt ggaagtttgc aaatactcct 120
ttcagaacag tgttcatatc tcatttgcat agcattccat ggtacacagg aaattgtatc 180
tagtttcgtt ttttgttttg gggggttttt tttggtgttt gtttgagaca gggtctcact 240
ctgttgccca ggctgttgtg cagtgtcatg atcttggctc acagaaatct ctgccccctg 300
aactcaaagg atcactcgag 320

<210> 1692
<211> 226
<212> DNA
<213> Homo sapiens

<400> 1692
gaattcgcgg ccgcgtcgac agcctccttt gtgattcatt ctttcctaca tgattggtgt 60
taatcatggt tctatcctca gtcatcttca tctattcatt ctctctgggc aaattcattc 120
atttattacc acactcctct gtggatctat agactcctct acccagcact gtaatggaca 180
tttccatctg gatgtgtccc atgcatttca aacccaacaa ctcgag 226

<210> 1693
<211> 196
<212> DNA
<213> Homo sapiens

<400> 1693
gaattcgcgg ccgcgtcgac actcacacct atatatgaca gtcgtggggc agaaaggact 60

tagacttttg tcgggtcttt ccaaagtatt caacttcatt tttattaaag aaaaaatttt 120
ttttctcctt tatatttcat tagcttactt gatattctat caaattacct atgtcaataa 180
caagcacaat ctcgag 196

<210> 1694
<211> 222
<212> DNA
<213> Homo sapiens

<400> 1694
gaattcgcgg ccgcgtcgac gagagaaatg ccatcatgct tactgctctt ttggattctt 60
catgcagtgg cttcccattt gctctgggaa cagtgcctct gtgctggtta tatgtatgca 120
ccacatgtgc acacacgggt gtcggtgcaa ctcaccagca ggtgtgcagt aggcaagctt 180
gaaggtggcc catgcttctc tgttgtcaca caacacctcg ag 222

<210> 1695
<211> 233
<212> DNA
<213> Homo sapiens

<400> 1695
gaattcgcgg ccgcgtcgac aaagaccttt gggatttatt cagtttgctt ctgttttcag 60
agttgttcgc tgctgctgtg aaagtggaac aaaacagcag tgtctgcatc attgtatgat 120
aaaactttat gtttgctttt ttgtgtgtct gtaaagggtt atttgccatt ctgtgtcagg 180
ttttggtgtt tagttgcatt ctacttactg cgttttgcca agcacaactc gag 233
<210> 1696
<211> 230
<212> DNA
<213> Homo sapiens

<400> 1696
gaattcggcc aaagaggcct aaaaatatga gttcctaatt gtcaaaaata ataacaaaaa 60
tacaattttt gagcaagtag tagagagatt ttaaagtata acgtgctaaa ccttcagttt 120
gtaacctggt cttgttgctg ctgctgttag ctatgggaag tatcagggga ctaagtatta 180
ttttatttat ttgtttgttt atttctatgg gttttcgggg ggcactcgag 230

<210> 1697
<211> 210
<212> DNA
<213> Homo sapiens

<400> 1697
gaattcggcc aaaaacctac ccactcctgt gctacccagc cccagaggca gaagccaatg 60
ggtcactgtg ccctaagggg tttgaccagg gaaccacggg ctgtcccttg aggtgcctgg 120
acagggtaag ggggtgcttc cagcctccta acccaaagcc agctgttcca ggctccaggg 180
gaaaaaggtg tggccaggct gctcctcgag 210

<210> 1698
<211> 179
<212> DNA
<213> Homo sapiens

<400> 1698
gaattcggcc aaagaggcct aaatctttta ttttttgtaa acttttttt ctttgttaa 60
aataaataaa acattcaatg tttttctcct tttctctctt attacttctt tcctttggca 120
ttttcaattt gaaatgcttt cctttggttg ttggttttat tctcccccaa tccctcgag 179

<210> 1699
<211> 224
<212> DNA

<213> Homo sapiens

<400> 1699
gaattcggcc aaagaggcct aaaatcatct aacacaaaac ctatactata ctacagtgct 60
taatatttca cagtaattta ttgaacactg tactgacaat gaaaaacaga gtggttgttt 120
gcgtacttga agtacagttt ctgctgaata catgttgctt ttgcatcttg gcaaagtcaa 180
aaactctaag tcaaacaatc ataaatcaaa ccatgacact cgag 224

<210> 1700
<211> 202
<212> DNA
<213> Homo sapiens

<400> 1700
gaattcggcc aaagaggcct aggacagggt tttcatggaa acagtgaagt aaatgcaata 60
ctgtctccgc gatcagaaag tggaggcctt ggtgtgagca tggtagaata tgtattaagt 120
tcttctcctg ctgataaatt ggattctcga tttaggaagg gaaattttgg cactagagat 180
gctgaaactg atgaacctcg ag 202

<210> 1701
<211> 106
<212> DNA
<213> Homo sapiens

<400> 1701
gaattcggcc aaagaggcct acacagtgat tccgatgtgg agccagccct ggaagcctct 60
ccgtggctta aggacccccg ctgctttctg gccccaattg ctcgag 106

<210> 1702
<211> 327
<212> DNA
<213> Homo sapiens

<400> 1702
gaattcggcc aaagaggcct agtgtaaatg caacaaagaa aaaggcccta agcttctcta 60
cttattagat atatttttgg caattgattt aacttttgcc aaccctcagt tttctaatct 120
atgaaatgat agtgataagt tctgcatata gggttgttac gaaaattaaa tgagataatg 180
tgtaaatcaa ttagcacagt gtctcacacc tagaatgcac tcaagaaata atagccacta 240
ttagattagt catagttata gaatatcatc aagggcctac atttgtataa aacactgcct 300
ttacacacaa tatccacaag tctcgag 327

<210> 1703
<211> 167
<212> DNA
<213> Homo sapiens

<400> 1703
gaattcggcc aaagaggcct actctactcc ctcatccgcc cagtactatg caaccatcaa 60
tctgtctcta tggtggtaga ttgatactgc cacctatagc catttgcatc attgtatatt 120
ctattcagat tctgttagtc aatttagata agaccaagga actcgag 167

<210> 1704
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1704
gaattcggcc aaagaggcct actttgacaa aattcaacaa ctcttcatgc taaaaactct 60
ccatctggta tcctttctct tcagcctaac ggtatcatct gacagttctt gtagtgtagg 120
tttgcaggca acaaattcta taggcctttg ttcctctgaa aatatcttta tttcatcctc 180

agtatacttt tttctgggta tggattcctg ggtttgcagg gtattcccac ttgtccgagt 240
tttcaatata ttcagttttg aagatgttcc attggcctcc attattttct atgaaaagtc 300
agctgtcaca ctcgag 316

<210> 1705
<211> 311
<212> DNA
<213> Homo sapiens

<400> 1705
gaattcggcc aaagaggcct attcccaagt aattagattc aaggtaggct ttctcagccc 60
gaataatgca gaaatcacat tatggccttc tcagggtatc atgtttgaag gtgtgcctag 120
tgtccattta ttcctctttg gtgatgttaa ttttgattac cctgtcaaga tgttgtgtgg 180
tttttccctt ctataattac tgctctttcc cctctccctt gagacgaata agcaatctgg 240
ggtgcatttt aagaccatac aaatacaata atactatggc caccctcctc ctccaaccca 300
gtaagctcga g 311

<210> 1706
<211> 235
<212> DNA
<213> Homo sapiens

<400> 1706
gaattcggcc aagaggccta aaaggttcta tttctccccc accagtcact taaaaatcca 60
aacaacaata caacctgact acaggagtac tttattataa atgtacagtt cttacagtag 120
aaagaacaat atgaagatgt gggctctagt cactgttgcg ttactaagtt tctatctgtt 180
acctagaata agtcatcttt taaggtctca gatttttccc actacgaaac tcgag 235

<210> 1707
<211> 232
<212> DNA
<213> Homo sapiens

<400> 1707
gaattcggcc aaagaggcct agtttggttt tgccaaagga ttatcaactg agctattatt 60
agtacttacc taagtgagtt tggtaggaat caggagaaga gagaaatcag aaatgattgt 120
tgtgtttctg ttatggctgg cttcctgtca cccccatgaa aatacggcag tatcagagat 180
aagtaatcag gtaatatcag agataagtaa tccatcgaaa gcccaactcg ag 232

<210> 1708
<211> 339
<212> DNA
<213> Homo sapiens

<400> 1708
gaattcggcc aaagaggcct aaaagtctgt gttctcttgt cacttcatca aattagttct 60
ggtggcattt ggttcccccc cagaaataaa tcactgttaa atgattcttt ataaagcagt 120
ccacacattt atcataccac agtgatctga acccatttag ggaattataa gctacagttg 180
gtcatgttgc aggcctagca actctggcct tgtcacattg catctctctc cactccccgt 240
gctaccacta atccttcagg actgagattc aaggctttgc tagtaagagg cttggaaata 300
atcatataaa acataatagt gtggcatggc aagctcgag 339

<210> 1709
<211> 188
<212> DNA
<213> Homo sapiens

<400> 1709
gaattcggcc aaagaggcct acgagattgt tcttttcaac gtaactgttt tgggacctgg 60
ccaggagaat gtttcatctt cagacagtga tacagtttca ctttgttctt ttccatcttt 120

atttttttga gacctcgcag gccttgagct tgtcaccatc tccctcagac agaccagtgc 180
tcctcgag 188

<210> 1710
<211> 192
<212> DNA
<213> Homo sapiens

<400> 1710
gaattcggcc aaagaggcct actcgagttt tcctgttttc tttctctctc tgtatgctac 60
tttcaatttt tcttttcttc tttattttga gacagaatct ggctctgtca ctcaggctgg 120
agtgccgtgg catgatctca aaaacaaaag aaataaaaaa taaaaataaa aggttcctgt 180
gagcaactcg ag 192

<210> 1711
<211> 228
<212> DNA
<213> Homo sapiens

<400> 1711
gaattcggcc aaagaggcct aatcatttgt tttgaggtta gtttgattag tcattgttgg 60
gtggtgatta gtcggttgtt gatgagatat ttgggtctgt acctgttggc ttcatttctc 120
ttattaccct gttgccaggc caccgggtcc ggcccagcct tgattcttcg ggaatcactt 180
ctccctcgcc gcgcctgtta ctgcctccac ggatcactca tcctcgag 228

<210> 1712
<211> 212
<212> DNA
<213> Homo sapiens

<400> 1712
gaattcggcc aaagagacct aaccatatgt tcttcactgt aattttcctt gcatcatctt 60
atcaattagc tgtaaacatg cttattttaa aatgccattc aaacgcctct aatagaatcc 120
tgtggcaaag tgaagaatcc ttttacatac acagtacaga tgtatcaaaa ccatgtactg 180
ttttgtttac acacatgaca gaacccctcg ag 212

<210> 1713
<211> 230
<212> DNA
<213> Homo sapiens

<400> 1713
gaattcggcc aaagaggcct aggtctgtgc agtacccagc aagattccag tctcttcctc 60
acacatatcg acttagaatg gtcattgtat tttcgcattt gaatcctcta cttatttttt 120
tcttcagatc ttccagtgag tgttccttct cgttttattc ttaccttcct tttggcacaa 180
aagctgagac gctatcctgt tgctccaaat caccagtcac gtttctcgag 230

<210> 1714
<211> 272
<212> DNA
<213> Homo sapiens

<400> 1714
gaattcggcc aaagaggcct acgattaaat tagacctgcc tccagtattt ccgtaacttt 60
aaattggtag ctttcatttg cttaaaattt tttggcatat gcagataatg ttctcatcag 120
tagtaagaat ctcagggtta tgcttattcc ccaatggagg tatgacatat aatcttttct 180
gcctttactt atcaattcac caaggagctg ttttctctgc atctaggcca tcatactgcc 240
aggctggtta tgactcagaa gcctgcctcg ag 272

<210> 1715

<211> 128
<212> DNA
<213> Homo sapiens

<400> 1715
gaattcggcc aaagaggcct agttggggtt gtttttacta caaaataagt tacttagttt 60
tataaagaca aaccgattgt agccaaatga caccatattt aataaaattt agtctgaagt 120
gtctcgag 128

<210> 1716
<211> 268
<212> DNA
<213> Homo sapiens

<400> 1716
gaattcggcc aaagaggcct actaacattc tgtgatgcct aattttgcaa aatcactttt 60
cattcaccca ataaattttt ttcttctttt ttccacagag ttttgctctg tctcccaggc 120
aggagtgcag tggcgggatc ttggctcgct gcaacctctg ccttccaggt tcaatagagt 180
ctcctgcctc agcctcccaa gtagctggga ttacaggctc atgccaccat gcccggctaa 240
ttttcacatt tttagaagag gtctcgag 268

<210> 1717
<211> 228
<212> DNA
<213> Homo sapiens

<400> 1717
gaattcggcc aaagaggcct actgtcatat atgtgtttgt gtttcttata ttatttcctt 60
ttgacttcag ttttgcatcc caaatatgta tggggtggca ttttaacagt caatgagtca 120
aacagtcaaa ggaggacagg aggggagcca gctggtagga gggagcagca accgtgtgtg 180
gaccaagcgc catttttgtt ttatagacgt gtcttcctaa acctcgag 228

<210> 1718
<211> 264
<212> DNA
<213> Homo sapiens

<400> 1718
gaattcggcc aaagaggcct agacatctta acccagctag aggccttgtg aaatatgaac 60
ggctgtatca atgcctgcct tcagtacctt attattatta ttattatttt gacacagagt 120
ctcgcattgt cacctgggct gcagtgcggt ggcgcggtct tggctcactg cggcctctgc 180
ctcccaggtt cgggcgattc tcctggttcg gcctcctcag tagctgggat tgcaggtgct 240
caccacaaca ccaggcaact cgag 264

<210> 1719
<211> 214
<212> DNA
<213> Homo sapiens

<400> 1719
gaattcggcc aaagaggcct acaaaattgc ctgaattgta ctgtatgtag ctgcactaca 60
acagattctt accgtctcca caaaggtcag agattgtaaa tggtcaatac tgacttttt 120
tttattccct tgactcaaga cagctaactt cattttcaga actgttttaa acctttgtgt 180
gctggtttat aaaataatgc gtgtaatcct cgag 214

<210> 1720
<211> 204
<212> DNA
<213> Homo sapiens

<400> 1720
gaattcggcc aaagaggcct acccagctac atttgtgata ctttcagtgc taagaaaatc 60
tatattctgt agctttgaag ttatttaaca gttaagtact atttgctggt ttattctgat 120
tttgtcttaa atgacaaata ttttattcat ccttttctctt caaacattat ttaacaaatg 180
tacgttttaa tgtttgctct cgag 204

<210> 1721
<211> 234
<212> DNA
<213> Homo sapiens

<400> 1721
gaattcggcc aaagaggcct aggctgtgtt atgaagattt tgtttgtttg ttttttgttt 60
tttgtttttt ttgagatgga gtcttgctct gtcacccagg ctggagtgca gtggcgtgat 120
ctcagctcgc tgcaagctcc gtctctcagg ttcacgccat tctcctgcct cagcctcccg 180
agtagctggg actacaggtt acaggcgccc gccactatac ccggctcact cgag 234

<210> 1722
<211> 217
<212> DNA
<213> Homo sapiens

<400> 1722
gaattcggcc aaagaggcct atgattgcaa aggaaataac taagccaatc taaatttcac 60
tctagaatta gttaaagttt tgattaaaag gaggagttta ttttgaatta aattagtaaa 120
gagagtgaga aatctgatag gagttaacat caacacatac accacaggct ttggttgcaa 180
gtaggccatg ctaacaattc tactgggatg tctcgag 217

<210> 1723
<211> 248
<212> DNA
<213> Homo sapiens

<400> 1723
gaattcggcc aaagaggcct aagttttcaa ccattattgc tttaaatatt ttttcttctc 60
ctttatcttt ctccactttt tctggtactc tttttatatg tatgttggta cactcactta 120
aaggtatctc acatttctct gaggctccgt tcatttttgt ttttattgtt gttctatttt 180
ctgtctgttc tttgggtttt gtaatcgtta ttgattcact caatatttct tctgccagtc 240
atctcgag 248

<210> 1724
<211> 228
<212> DNA
<213> Homo sapiens

<400> 1724
gaattcggcc aaagaggcct aagcatattg tcagaaggaa ggatggtgca aattagcttt 60
ttatcttcta gcatttttct actacctata tggcatgatc tatgttttgg tgagctctta 120
gaacaacaca cagaagaatt ggtccagtta agtgcatgca aaaagccacc aaatgaaggg 180
attctatcca gcaagatcct gtccaagagt agcctgaggt gtctcgag 228

<210> 1725
<211> 249
<212> DNA
<213> Homo sapiens

<400> 1725
gaattcggcc aaagaggcct agttgagttt gtcattaaaa tcataaacca gctgcggtaa 60
cagacaagcc tttggctggg gagttttaag cctcggtaac tgctataaaa ctagccatcc 120
agttaggata gaatgtgttt ctttctggtt aaaaaaagga aaaaccatct aagaaaatat 180

atatgtatgt atgtgtgtat acagtggaat tcaaaggacc aaagcaaaat ttgaacagga 240
ttcctcgag 249

<210> 1726
<211> 436
<212> DNA
<213> Homo sapiens

<400> 1726
agaattcggc caaagagcct actggcatgt ctgagcataa gcctgacagt ctacttttcc 60
agctttcact tttcctttaa tcatcctagc caagagctca aattctggag caaaattctg 120
gcaaggtcca caccaaggag catagaaatc aatcacccaa tgatttttcc cttgtagaac 180
tttttcactg aaagtctgag gtgttagatc tgtggatact tgaggtaaaa atcctagacc 240
ccagattctc agggaataag catccctatt ccaaccattg taactgtgat actgataagc 300
tttatttgat tttgggggaa aaaatcttat ctcagggtat ctttgaacgt tttcctgggc 360
acaaaaagaa tgatactgtt ggcaatctat actgcccacg ttgatcagtc cagttaatgt 420
ccgggccgtt ctcgag 436

<210> 1727
<211> 367
<212> DNA
<213> Homo sapiens

<400> 1727
gaattcggcc aaagaggcct actgatacaa tcaagaagca gaacattccc atcccacaaa 60
gatctcttat cttgcccttt tactgccgca caaattccct cttcctcctg ccccatcctt 120
aacctctgac aaccactcat ctgctgtcga tttctgtaat tcagtcattt caagaatgtt 180
acataaatgg agttgtacag tatgtaacct tttgagactg gctcttttct cactgagcat 240
aattctctgg agatttatct acattatttt atatatatcc atggattgtt cctgtttatt 300
cctgagtaat attccatatt atggatgtat cagtttgttt aactgtttag ctgttgaagg 360
actcgag 367

<210> 1728
<211> 225
<212> DNA
<213> Homo sapiens

<400> 1728
gaattcgcgg ccgcgtcgac cgattgaatt ctagacctgc ctcgagcgag acttggttta 60
aaaaaaaaaa aaaggtagcc ctttactatt agaccgattt cttccgcaat acagagcagt 120
agctgagaat cattgttgtc tatgtggcat tttctgctac ttgcttctgc catgccatgc 180
cttttctcat ccttggagcc agatcaccat ccaaaaacac tcgag 225

<210> 1729
<211> 352
<212> DNA
<213> Homo sapiens

<400> 1729
gaattcgcgg ccgcgtcgac ccccaggaca ctagagccac tttagtctaa ttttctgctc 60
tttaattatt ttaacactcc agaggaggac tggttttctc ctgtgttttt ttaatatatg 120
gcaagtggaa cctctaatcg accaccctgt ttttcagcct aactcaggct tgtggtaaaa 180
ttatcagttc ccactttctt tgctgcattc tcaaatgcaa cacaggagaa cagctttccc 240
ttgcaaattc acaatgctgt taactatttg tcctttatta tacatttcat taaagttttc 300
tattattgga tttctttcta cttctcccta cagttctgcc cattcactcg ag 352

<210> 1730
<211> 145
<212> DNA
<213> Homo sapiens

<400> 1730
gaattcgcgg ccgcgtcgac ctcaaacttt ggtgtacata ccaatgatca tgttaaaata 60
cagcttgttg ggcctcactg cagcagtttc tgtctgttct tatccagtac tgccacctat 120
tgggcaagct cttcagaagc tcgag 145

<210> 1731
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (25)

<220>
<221> unsure
<222> (306)

<400> 1731
gaattcgcgg ccgcgtccac gttgnttgga caccagggtg gaatagcaga gaacggctgc 60
ttgtgtttga attccagctc tgccacttcg atagatttct gaactgagac atgtgactct 120
ctaggcctat ttctgcatgg gtcggagagt gggcgggact gctttactga gttatagtga 180
atgtagtttt aacctaagcg cctcacatga ctaactcctc atccatcaag aatgagctca 240
gctctcactt ccccactcct caccccccng taaagtaacc tttctccaag gttatgcttc 300
aacagngata gctaacattt attaaattgt ggcccctcga g 341

<210> 1732
<211> 411
<212> DNA
<213> Homo sapiens

<400> 1732
gaattcgcgg ccgcgtcgac tggctttgta tgcttttgtg tagtttagaa cagatacaca 60
ttagtaaaag ataccaataa tcattagagc tcaaggaagt tattaggtgc agcctctgga 120
gccatactca cgctgcagtg cataatggga aaattaggag cattaataag aaatttcagt 180
agtgtttgta aggaaaataa gctacttact gagatctgtt tcttctattg catgtttgct 240
tttgagggac agcttctgtc aaaagtgaaa tcatcaccag aactgggcct gttaggaaga 300
atagggtttt atttactttt tatgtcaatt aacttcaaca aaaaggccac gctggctgct 360
gtcatgccat ctgggtatgc attaaacatt aatgatgatc agcatctcga g 411

<210> 1733
<211> 319
<212> DNA
<213> Homo sapiens

<400> 1733
gaattcgcgg ccgcgtcgac ggtccgggtg cttttctcat attgactcat attggacata 60
aattcatgcc cagcaaccct atccaaggag gaattttggt tggtctggta tcatttattc 120
ttatggaact caggatgctt ttttttctag gtactaacaa accatcccat taatattcct 180
tctctagcat tactcttgat agggagttct gtagttttgt agaaaagact gaagtaggcc 240
tggtgtggtg gctcacgcct gtaatcccag cacttttgga ggccaaggtg ggcagatccc 300
ttgagatcag gcgctcgag 319

<210> 1734
<211> 192
<212> DNA
<213> Homo sapiens

<400> 1734
gaattcgcgg ccgcgtcgac gccagacatg agttttgcaa gcattgcttt gttttgcttt 60

atatttaaag ccctttctc caaaaaattc attccacttt catcttctga atcggagttg 120
gaatcagtca cagaattctc tgagggctgg cgggactctg ctttttttgtt ggttgctccc 180
ctggagctcg ag 192

<210> 1735
<211> 249
<212> DNA
<213> Homo sapiens

<400> 1735
gaattcgcgg ccgcgtcgac cctaaaccgt cgattgaatt ctagacctgc cctcagtgtc 60
tcccagtttc cttgctttct tttatttccc tcctgattgc tgcctcccca gttcttacca 120
gctctctgtc ccagtccttt cctgtcaaag atggcagact cctccaatgc caccgctccc 180
ctacccatct gcccggagtc ttccctttctc tctccctccc tgctggctct tttggccatc 240
cccctcgag 249

<210> 1736
<211> 180
<212> DNA
<213> Homo sapiens

<400> 1736
gaattcgcgg ccgcgtcgac gagcatttgc aaagtcatga aatattcttt gttttgtttg 60
ggggcagttg gttggttttt tgatgttttg tgtgtggggg cagggacagg gtctcactct 120
gccacccagg atggaacgca tagctcattg cagcttcaac ctttaacccc cggactcgag 180

<210> 1737
<211> 282
<212> DNA
<213> Homo sapiens

<400> 1737
gaattcgcgg ccgcgtcgac ttgagtgttt actaactctg tgttttgctt acctggcttt 60
tcttccttga agttgcttaa tttttttttcc tccaagagga attatttaaa aagacttttg 120
tctgtgacat aaccaagatt tattctgttt acctaaggaa cttattttct tttttgcaat 180
ttcatttatt ctgagtcact ttatttgtaa taagtgaaga attttaatac ttagaaataa 240
gttgtaaaga aaataatgag aatcttacca tgcgtactcg ag 282

<210> 1738
<211> 290
<212> DNA
<213> Homo sapiens

<400> 1738
gaattcgcgg ccgcgtcgac gagaaaagtt tcagaaaacc tagattagag atgttgtgct 60
tatttttatt tttctttatc tcactctgtc cttcttcccc ctcttccttt cttcctcccc 120
actcccttct tacctctcca ctttgttttt ctacctcagc ccctacttcc ttcctttctt 180
taattcttcc attctttctt ccctttctcaa tagataagtt taataatagt ggttgttttg 240
ttgtagatgt ttcaggggga aaaaatttaa aaggttgcac agttctcgag 290

<210> 1739
<211> 356
<212> DNA
<213> Homo sapiens

<400> 1739
ggaattcgcg gccgcgtcga cagatttttt cctaaactga ggcaagaatt gagtctactt 60
ttttttgttt ttcttgagtc tctgtttacc tcaaatctag agacactctg ccctctagtg 120
gaaatttcct aaaggtcagg taatcagtta gtcatctaag ttcagaggcc aacagctata 180
atcaactgta gaagacccat ccaacacaaa ttcaaggagc tgatccaaag caaatgccca 240

cctccttggc aacagttgtt acagctgtgt tccttttcac ttccttctct cctttactta 300
aaccacattt attatccttc agttctggag gtcagaagtc cgacacaggt ctcgag 356

<210> 1740
<211> 298
<212> DNA
<213> Homo sapiens

<400> 1740
gaattcgcgg ccgcgtcgac tattcctggg tatggcactg tcctatgcca tctcttcacc 60
actatttggt ctcctaagtg ataaaaggcc acctctaagg aaatggcttc tggtgtttgg 120
caacttaatc acagccgggt gctacatgct cttagggcct gtcccaatct tgcatattaa 180
aagtcagctc tggctgctgg tgctgatatt agttgtaagt ggcctctctg ctggaatgag 240
tataattcca actttcccgg aaattctcag ttgtgcacat gaaaatgggt cactcgag 298

<210> 1741
<211> 263
<212> DNA
<213> Homo sapiens

<400> 1741
gaattcgcgg ccgcgtcgac ccgtcgattg aattctagac ctgcctcgag ttttgccttt 60
ggtctctgtc cacttggtga actattgtct gctttttcaa gatgcagctg ttgtgtcatc 120
tcttctggat agtccttcca tactatctac acaagcaaat tgttgctgct ttccttgaaa 180
acccacctca acctctctgt acacaccacg caagaacata ccgcacttac ttgttaccag 240
gtctatctcc cctccccctc gag 263

<210> 1742
<211> 328
<212> DNA
<213> Homo sapiens

<400> 1742
gaattcgcgg ccgcgtcgac ctaccacata agaagatatt tatataacag ttctcagaat 60
ccaactgttt tgcagttgaa attttctccc aagattccaa ttagtataaa attttaattt 120
gctaagaagc atctcacata ataaataagc ctatcaagaa ggcaatttat attaatttag 180
aataaactag actctgtgtc ctctgaatta aacaccaatg agcacccaaa agtttagact 240
tccttgcttt tattacttat atctgtttat tttttatgat gcagtctctg agcctgttcc 300
atttgaaact gaagctccca cactcgag 328

<210> 1743
<211> 155
<212> DNA
<213> Homo sapiens

<400> 1743
gaattcgcgg ccgcgtcgac gtctgttgaa aaagagaaga ggtttgcaaa tatcctcatt 60
agagtactat gcaagtgttg catcactatt tccaaatttc cagggccata atgagtatct 120
tctttccact agctacttta acacaagccc tcgag 155

<210> 1744
<211> 277
<212> DNA
<213> Homo sapiens

<400> 1744
gaattcgcgg ccgcgtcgac gaagaatgca agtattctgg agtttgagaa atgtttttc 60
tgcttttgtc atgaaatata cccttgaaca ccttcccatt tgtggggacg ttaaatacta 120
taggcagaaa aatgaagata cgagccctgg catgcgagga ctgcgtggca gtgtgggacg 180
cgtgcttgag cctcactttc ttctctggga gatggcggta ggcggggccg tggagagcag 240

tagtgggaca gaaggagctg agtgctggga gctcgag 277

<210> 1745
<211> 392
<212> DNA
<213> Homo sapiens

<400> 1745
gaattcgcgg ccgcgtcgac atgctttgtc ccaagcccct gaatccctca aatctgaccc 60
tgtcccctgc tgtggccacc actctctcct atttcattgg agtgtctcct cctgagcctt 120
tcagcccagt ccaggccagc tccttaatag ctgccccttc ccgtgaactc cctcttcctg 180
cctcctcttc cctccagtgg cagaaacccc acctctgttg gcccagtgtc tttgaagaga 240
gtcctgagat gcccctcgga gtttgggtag agcccttgca ggcatccaga gaacaactgg 300
aatcaaggcc ctttgtgctt tctggttccc aagcgccttt ggggcttgag gttctcttca 360
ttagtggtgg atctgaagtg tttcctctcg ag 392

<210> 1746
<211> 432
<212> DNA
<213> Homo sapiens

<400> 1746
gaattcgcgg ccgcgtcgac ctaaatgaga agactttcaa tagtaatgaa gaatccatgg 60
cactctcctc accctcaaac acatggcagt cattcacata caggccccaa agccactgtt 120
agtgctgcag tagctcctgt ggacattgga aagcccggag agggcgtgga agaaatcagc 180
tggccccccgg caggttctct ggggttttgt gcccaaggct cctggagccc taaaaacttt 240
caaaagttaa ctccccacgt ccccatcctg cttgggtttc tggacttttc tgaggcaccg 300
gcagaggggt ctcattgctc ccttgagtgt aggggcagcc ctttaacctg gctccttgag 360
tccctgcttt ttctgcttct gttgccttct tcctcgtctt cctctctctc aatatctccc 420
cccaaactcg ag 432

<210> 1747
<211> 368
<212> DNA
<213> Homo sapiens

<400> 1747
gaattcgcgg ccgcgtcgac tgtgcttgtg gggtattact taagaaatca ttgcccagac 60
cgataccctg gagagtttcc ccagtgtttt attttagtca tttcatagtt tgaggtctta 120
gatttttgtc tttaatcaat attttgattt gagttttgta tatggtgaga gataggagtc 180
tagtttcatt cttctgcata tatatatcca gtttccaagc accatttatt gaagaaactg 240
tcttttctgc catgtatgtt tttggcacct ttgtcaaaaa tgagttcact gtaggcgtgt 300
ggatttttt ctgggttctc ggttctattg ttctgtgtgc ctgtttttat gccagtacca 360
cgctcgag 368

<210> 1748
<211> 302
<212> DNA
<213> Homo sapiens

<400> 1748
gaattcgcgg ccgcgtcgac gcatatacag cccttggtat tttaattatg agactaaaac 60
tcttcttgac accacacatg tgtgttatgg catcactgat ctgctcaaga cagctatttg 120
gatggctctt ttgcaaagta catcctgttg ctattgtgtt tgctatatta gcagcaatgt 180
caatacaagg ttcagcaaat ctgcaaaccc agtggaatat tgtaggggag ttcagcaatt 240
tgccccaaga agaacttata gaatggatca aatatagtac taaaccagat gcagtcctcg 300
ag 302

<210> 1749
<211> 153

<212> DNA
<213> Homo sapiens

<400> 1749
gaattcgcgg ccgcgtcgac aggctcctct catattccat cgccagtttc tgttacaagg 60
cagactgaat caagccaaga tcaacacaca ctggtacacg tggctcccaa ccaattttat 120
atgtatatat atattctact tcaaacactc gag 153

<210> 1750
<211> 292
<212> DNA
<213> Homo sapiens

<400> 1750
gaattcgcgg ccgcgtcgac ccccccccc ctttttttt ttttttttt cctccttaat 60
tttttgttca ttggattttt tccctcgggt agttaagtgc tctgctgctt gcttgctcat 120
gcttcctaac aattttagcc ttcgactgat ttttcttttt tctttttctc tttttactgg 180
tatttgtttt ttatactcat tcactaaaca gggaattcct caagctgtac ttcccccatt 240
accaaagagg cctgctcttg aaaaaaccaa cggtgccacc gcatgcctcg ag 292

<210> 1751
<211> 276
<212> DNA
<213> Homo sapiens

<400> 1751
gaattcgcgg ccgcgtcgac gcgcacagtt ccttctgtac ctgtgtggag gaaaagtact 60
gagtgaaggg cagaaaaaga gaaaacagaa atgctctgcc cttggagaac tgctaaccta 120
gggctactgt tgattttgac tatcttctta gtggccgaag cggagggtgc tgctcaacca 180
aacaactcat taatgctgca aactagcaag gagaatcatg ctttagcttc aagcagttta 240
tgtatggatg aaaaacagat tacacagaaa ctcgag 276

<210> 1752
<211> 225
<212> DNA
<213> Homo sapiens

<400> 1752
gaattcgcgg ccgcgtcgac tggctgggtg gtagatttaa atcactgttt ccgcatgtta 60
ttcatgacgc ccatgaaacc cgccaacaat ttagcttctt cccgagcagc aagtttcttc 120
tcggtcttct tcttgctgct cttctccacc ccagaggctg ccatcctccc tcagctcggt 180
tcacgcccgg ggctcgccgg gccgggcgag aggtcgcccc tcgag 225

<210> 1753
<211> 362
<212> DNA
<213> Homo sapiens

<400> 1753
gaattcgcgg ccgcgtcgac agaccccaca acatgcgccc tgaagacaga atgttccata 60
tcagagctgt gatcttgaga gccctctcct tggctttcct gctgagtctc cgaggagctg 120
gggccatcaa ggcggaccat gtgtcaactt atgccgcgtt tgtacagacg catagaccaa 180
caggggagtt tatgtttgaa tttgatgaag atgagatgtt ctatgtggat ctggacaaga 240
aggagaccgt ctggcatctg gaggagtttg gccaagcctt ttcctttgag gctcagggcg 300
ggctggctaa cattgctata ttgaacaaca acttgaatac cttgatccag cgttcactcg 360
ag 362

<210> 1754
<211> 256
<212> DNA

<213> Homo sapiens

<400> 1754
gaattcgcgg ccgcgtcgac attgaattct agacctgcct cggctcttcc ctttttcatc 60
ccatacctaa gccatcagca agtgcttctg aaataccatg tccagaatct catcacttct 120
cactctctcc actgctgcta ccctgactgc tgtcatcccc tcttgcctgc attactgtac 180
cagccgcctg actcgtcttc ctgcttccac cttcccacct tcagtcatat atccaggcag 240
caacggaggg ctcgag 256

<210> 1755
<211> 226
<212> DNA
<213> Homo sapiens

<400> 1755
gaattcgcgg ccgcgtcgac cgattgaatt ctagacctgc ctcgagcttg gtcccacttt 60
tatatttttc ctcttcggtc cagaatttct tatttagttt cttgtatttt gcctactccc 120
tcccttctcc atgattcagc ctagtctttc cgtcctctgt ggacttgggt gtgccttcct 180
ctgggccacc tcgtcttttg ctgctgttag cccacccgcc ctcgag 226

<210> 1756
<211> 209
<212> DNA
<213> Homo sapiens

<400> 1756
gaattcgcgg ccgcgtcgac ggtgggggac tctgaacttg tgctgctgct gccatatttg 60
caatggtgct gaggtggttc atctggctca ttgccatgag caactatcat gccagtaata 120
accaacatgg agcagactct gaaaacgggg acatgaattc aagtgtcgga ctggaacttc 180
cttttatgat gatgccccat ccactcgag 209

<210> 1757
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (20)

<400> 1757
gaattcgcgg ccgcgtcgan ccataatgat gctgcctcaa aactcgtggc atattgattt 60
tggaagatgc tgctgtcatc agaacctttt ctctgctgtg gtaacttgca tcctgctcct 120
gaattcctgc tttctcatca gcagttttaa tggaacagat ttggagttga ggctggtcaa 180
tggagacggt ccctgctctg ggacagtgga ggtgaaattc cagggacagt gggggactgt 240
gtgtgatgat gggtgggaac actactgcct caactgtcgt gtgcaaacag cttggatgtc 300
cattttcttt cgccatgttt cgttttggac aagccgtgac tagacatgga aaaatttggc 360
ttgatgatgt ttcctgttat ggaaatgagt cagctctctg ggaatgtcaa caccgggaat 420
ggggaagcca taactgttat catggagaag aagttggtgt gaactgttaa cggtgaagcc 480
atctgggttt gaggctagtg gatggaaaca ctcctgttca gggagagtgg aggtgaaatt 540
ccaagaaagg tggggaacta tatgtgatga tgggtggaac ttaaataccc ctgccgtcct 600
gtgcaggcaa ctaggatgtc catcttcttt tatttcttct ggagttgcta acagccctgc 660
tgtattgcgc cccatttggc tggatgacat tttatgccag gggaatgagt tggcactctg 720
gaattgcaga catcgtggat ggggaaatca tgactgcagt cacaatgagg atgtcacatt 780
aacttgttat gatagtagtg atcttgaacg taggctcgag 820

<210> 1758
<211> 132
<212> DNA
<213> Homo sapiens

<400> 1758
gaattcgcgg ccgcgtcgac gagtagttgg gcaaaacaaa tagcagtaat attaaagcca 60
gaaatctcct tagagttctt actgttgggc caggtgtggt ggctcatgct tgtaatccca 120
gcgtttctcg ag 132

<210> 1759
<211> 267
<212> DNA
<213> Homo sapiens

<400> 1759
gaattcgcgg ccgcgtcgac ccttttaata gaccaattcc tcttctcaaa attcagatat 60
tgtctgttct cacattccct cagttctcaa ttttctttct cgtagtcttt tctgtactta 120
acaaccctag attttctcag ttcaggcaaa actctcatta ctagtatttt cctttctctt 180
tgaccctaaa gtgtgaagcc cttagcattt caccccatat tttctgagtg accttccccc 240
atgctgctgt gtcagatcac tctcgag 267

<210> 1760
<211> 237
<212> DNA
<213> Homo sapiens

<400> 1760
gaattcgcgg ccgcgtcgac cagcgttcca agtgtctttc acatgctaaa tcgattgatc 60
cttagttcag agctcttgac cacagcccta tgcttaaaca aaatgcccca gtgttcactt 120
ttcacaggtt gtctccttaa cacaactacc gtgtacgacg aatgctatta tgcccatttt 180
actgagggga aaacagcttc cctctcatct attctgaacc cctcttcacc cctcgag 237

<210> 1761
<211> 273
<212> DNA
<213> Homo sapiens

<400> 1761
gaattcgcgg ccgcgtcgac cttggatcaa aagcatctct ttgaacctct ccctcaggca 60
taccctgaaa tgctgtggac tttaaccttt tttctgttgc aaaggtcgct cacatctccc 120
tggttgtttg gtcttctctt ccttggctct agtaacacag cagtctgttg cttcctagga 180
caacttataa tgggacccaa aggggaaaga ggatttcccg ggcctccagg aagatgtctt 240
tgtggaccca ctatgaatgt gaataacctc gag 273

<210> 1762
<211> 349
<212> DNA
<213> Homo sapiens

<400> 1762
gaattcgcgg ccgcgtcgac tgcttgagga aggacaagtt aattagaaaa atatagaagg 60
gcatgtagat ttgaaagagg atttgggaac attttgaatt tagaaaatga atcttagaac 120
ttatacttct aacttttat gcctaaagga actaatgtac attttatgat tttagttata 180
caagtggagg gcttatcagc tgggcatatt cattttccct ttgttaagaa aaagaaccaa 240
atgagtaaga gaagaatgta actgggaaaa aactaaaaac agaggaagga agtggttaaa 300
gaagatatat ctgtaaattt aagaaagcat ttggagaggc gagctcgag 349

<210> 1763
<211> 263
<212> DNA
<213> Homo sapiens

<400> 1763
gaattcgcgg ccgcgtcgac aattattttc acttttattc tgattacctt ttacagtgga 60

cactttattg acaaaaccca agtccacctc acctctctgg cagctaccta agtggtatgg 120
gtttatttgt gtctctattt ttgcttcatt tgtttgcttc taagatccct cctggctcag 180
gccatgctcc tcgcccccac ccgcaggatc tgatgctaca ggaatataat tgtggtccca 240
ctaccacaac ccctcatctc gag 263

<210> 1764
<211> 568
<212> DNA
<213> Homo sapiens

<400> 1764
gaattcgcgg ccgcgtcgac gacctttgga tgagattttt gtggggtctt ttttgttgat 60
gttgttgttg ctttctgttt ttcttttaac agccaggccc ctcttctgca gggctgctgc 120
cgtttgctgg aggtccactc cagactctat tcacctgggt ccctcccaca cctggagata 180
tcaccagtgg aggctgcagc aaagcaaaga tggctgcctg ctccttcctc caggagctcc 240
atcccacagg ggcaccaaac tgatgccagc tggaactctc ctgtatgagg tgtctggcca 300
cccttgttgg gaggttccac ccagtcagga ggcacgatca gggacctgct taatgaagca 360
atctggctgc cccttggcag agcaggtgca ctgcactggg ggaaatccca ctcgtctgga 420
ctaccagcca cctcagagcc agcaagcagg aaagactaag tgtgttgaac aggagatcat 480
gactgcctcc ccacagagga tctgtcccac tggccacctc agagccagca agcaggaaaa 540
actaagtgtg ttgaacagga gtctcgag 568

<210> 1765
<211> 176
<212> DNA
<213> Homo sapiens

<400> 1765
gaattcgcgg ccgcgtcgac gtcctttcct gcttcttgta ccccttcttc cctgttatct 60
catctaaatc ctcgggaatt ctgatatcat atttatcctt ttcaaaatcg aactctgttg 120
catttttgta gcttctaaga ttccaaatga tgatcctcgt ccccttcttg ctcgag 176

<210> 1766
<211> 528
<212> DNA
<213> Homo sapiens

<400> 1766
gaattcgcgg ccgcgtcgac atgcaacttc tgcaacttct gctggggctt ttggggccag 60
gtggctactt atttctttta ggggattgtc aggaggtgac cactctcacg gtgaaatacc 120
aagtgtcaga ggaagtgcca tctggtacag tgatcgggaa gctgtcccag gaactgggcc 180
gggaggagag gcggaggcaa gctggggccg ccttccaggt gttgcagctg cctcaggcgc 240
tccccattca ggtggactct gaggaaggct tgctcagcac aggcaggcgg ctggatcgag 300
agcagctatg ccgacagtgg gatccctgcc tggtttcctt tgatgtgctt gccacagggg 360
atttggctct gatccatgtg gagatccaag tgctggacat caatgaccac cagccacggt 420
ttcccaaagg cgagcaggag ctggaaatct ctgagagcgc ctctcttgcg aacccggatc 480
cccctggaca gagctcttga cccagacaca ggccctaaca ccctcgag 528

<210> 1767
<211> 281
<212> DNA
<213> Homo sapiens

<400> 1767
gaattcgcgg ccgcgtcgac cctaaaccgt ctatttaatc ctttgttgcc ttctttctta 60
ctaaaggtga gtgagctgtc tgcatctttt tctggaaccc ttctctgtgc acctgagccc 120
tctggcctgc tcatggacct cgctgagcta tgctcccctct tcttcatcat gcgtttttcc 180
ttctctgctg gatcatttgc ttccacacac aaactgcctg ctatgtctct cgtattaaaa 240
ataaaagaac agaaaattct ccccctttctg aatcactcga g 281

<210> 1768
<211> 112
<212> DNA
<213> Homo sapiens

<400> 1768
gaattcgcgg ccgcgtcgac gtttgtagtt gctgggtggt gtaataagtc catttttagt 60
ttttcaagga gctgccaaat tattgtcaac aatgtttgta ccgtttctcg ag 112

<210> 1769
<211> 351
<212> DNA
<213> Homo sapiens

<400> 1769
gaattcgcgg ccgcgtcgac gtggtatttc tgttcctgag cttcccgagg gatatcccat 60
aattagttat ctgtattggt tgggaaaaag aaaataactg ggtttttctc ctgttgccca 120
attctgtgcc acgtttgtta acccctagtc ccaatttttt ctgccggctg ctcttagaag 180
gcttattgga caatcttaac atctgagtag cagaagtccc tgagtaaact tgtgctgaag 240
aattgccaca tagtttaata gttgtggatc tgctggtttt catggatctt ttgtttcagt 300
atcaagaaga tgctttgttg gaacatattt tttaccccac ttttgctcga g 351

<210> 1770
<211> 407
<212> DNA
<213> Homo sapiens

<400> 1770
gaattcgcgg ccgcgtcgac aaagtttttt ttttttcttct aaactgattt ttagcaaacc 60
tcagactgaa acacaggact caacggtgta ttcctggaag gcaaggtgct ataatggcag 120
gcacaatctg tttcatcatg tgggtgttat tcataacaga cactgtgtgg tctagaagtg 180
taaggcaggt ctatgaagta catgattcag atgattggac tattcatgac ttcgagtgtc 240
ccatggaatg tttctgccca cccagttttc ctactgcttt atattgtgaa aatagaggtc 300
tcaaagaaat tcctgctatt ccttcaagaa tttggtatct ttatcttcaa aacaacctga 360
tagaaaccat tcctgaaaag ccatttgaga atgccacccg actcgag 407

<210> 1771
<211> 328
<212> DNA
<213> Homo sapiens

<400> 1771
gaattcgcgg ccgcgtcgac ctgggacgag taggtttcac tgtttctcat aggagacttg 60
acagcttaaa gtaaaaacaa attatttttcg tcaaagtttt tttttttctc ttaactgatt 120
tttagcaaac ctcagactga gacacaggac tcaacggtgt attcctggaa ggcaaggtgc 180
tataatggca ggcacaatct gtttcatcat gtgggtgtta ttcataacag acactgtgtg 240
gtctagaagt gtaaggcagg tctatgaagt acatgattca gatgattgga ctattcatga 300
cttcgagtgt cccatggtct cactcgag 328

<210> 1772
<211> 339
<212> DNA
<213> Homo sapiens

<400> 1772
gaattcgcgg ccgcgtcgac tgctagtaag aactactcca tggctaattt gttcttcaga 60
gtaaactgaa ctaatccttt ccaagtgcaa gctgcctcaa gttgataaat gcctaaattt 120
ccaaaatact acaaccaaaa gcaaagtttt ccagttctcc agatacaatt tttttataga 180
tacctcaaca tgcacaaaac ttttctttgt tgctgttgtt ttttgagaca gggtctcgct 240
ctgtcacccg ggccagagtg taatgatgtg aacacagctc actgcagcct caacctcctg 300

ggctcaagca gtcctccagc ctcagccccc tccctcgag 339

<210> 1773
<211> 292
<212> DNA
<213> Homo sapiens

<400> 1773
gaattcgcgg ccgcgtcgac ttcctagtaa ctgtgtcttt cacattttat aaatattaac 60
ttcttaaacc tgcatcttct tctttgtcca catatcgtca cattacaaaa aagaaatgtc 120
aattaaatac actgttaatg ttactatatt aaatctgctc tctgcttcag cactccgctc 180
cttttaccac cacccatcac ccctaacccc actcccacca ctgctagttt gtcccactgc 240
tactgttgcc aacactgtca ccactgtcac catttcaacg tccccccteg ag 292

<210> 1774
<211> 247
<212> DNA
<213> Homo sapiens

<400> 1774
gaattcgcgg ccgcgtcgac cacagacacc cagctaattg tcatctaccc gcctcagctt 60
cccaaactgt ttggattaca ggtatgagcc actgtgccca gcagaaatta catttacaaa 120
ttaatatgaa gacatggtga taactaacat atttataaca tgaaatctgc tcatccagga 180
acatagaatg caaatctttc attccactca gcaaaatttt gtcctgtcct tgataaaagt 240
cctcgag 247

<210> 1775
<211> 270
<212> DNA
<213> Homo sapiens

<400> 1775
gaattcgcgg ccgcgtcgac actaatgaag gtgcctggga ctagggcagc taaaagattg 60
ttttgtcaag ttctccagct gctacttttg ggccatatgt ggatgtttat ggttccagtg 120
gcccactcca atcctctttt ttgtctagtg cctggcctgg taccaccagc tcctagggct 180
actggcatga gtgaaaagag cccagtgcta cccaacacac cacctaccac cttgtattct 240
tcaaccaccc ggacccacac gtctctcgag 270

<210> 1776
<211> 251
<212> DNA
<213> Homo sapiens

<400> 1776
gaattcgcgg ccgcgtcgac attgaattct agacctgacc ctccccaact ctccctgtct 60
cctctttcat tcttcccctc tttcctttte cctctctttc cccacttcga tctgagctgc 120
ttcttaacgg tatgagatta ttttactcct tcttcttcct ttcccttcct gtcctgcctg 180
gcctagagag gtgccctgcc tgtccctcct gcacccaccg tccttttcca agcatgaaca 240
gtggactcga g 251

<210> 1777
<211> 342
<212> DNA
<213> Homo sapiens

<400> 1777
gaattcgcgg ccgcgtcgac gttatttatc aatttttca aagatctaca ttaaaagtat 60
gaaataaatt ctttttcttt tttaataggt atgacataag tctttcatag tagcagaatt 120
tgctttagga aaacgatgat tatatgttta tatatttacc atatagaatc tgtaacataa 180
tggtgaatgt cctgatgtct tctaatccga tcattaaact gatttagatg ggtggatgga 240

tgacaggcag gcaggctcac agacaaacct tttttatgct aagccaacaa accaccattt 300
tcttcttttc cccttagtcg ggccttaccc caatctctcg ag 342

<210> 1778
<211> 419
<212> DNA
<213> Homo sapiens

<400> 1778
gaattcgcgg ccgcgtcgac gtttgggaag aaatggtgaa tgcctgctgg tgtggtcttc 60
ttgctgcact ctcactcctt cttgatgcca gcacagatga agctgccact gagaatattt 120
taaaagctga actgactatg ggtgttcttt gtggaagact gggccttgta acttcaagag 180
atgcctttat aactgcaata tgcaaaggtt ccctgcctcc ccattatgct cttactgtat 240
tgaataccac cactgcagct acactttcca acaaatcata ttccgttcag ggccaaagtg 300
ttatgatgat aagtccatca agtgaatctc accaacaagt tgtggcagtg ggtcaacctt 360
tagcagtcca gcctcaaggg acagtaatgc tgacttccaa aaatatccac gtgctcgag 419

<210> 1779
<211> 127
<212> DNA
<213> Homo sapiens

<400> 1779
gaattcgcgg ccgcgtcgac gtttggtctg gcttattatt atcaaaggcc attaagacca 60
ctgataaaaa agttttaaag gttataatat ttataaaagt atcatgaaac tggagtgttt 120
cctcgag 127

<210> 1780
<211> 527
<212> DNA
<213> Homo sapiens

<400> 1780
gaattcgcgg ccgcgtcgac cagagaccaa atcactcagt tctcagaaca cctgaagatt 60
ttttttaaaa ttgttaaaaa tcagagctat ttattagaag caatctgtgg gtgataataa 120
atctgctttt agagttttat ttagctagat tttttattgt gctaaataat agaaggttac 180
tgccagcacc atctctgatc agtctgcaaa cttagagcgg tcagcctctg cttgcaaact 240
gaaaagttag tttcctagac agcacctgtg gtctgaactt cagtacttct ccaaggaaaa 300
tcttaccagg aaaactctgc cccagaatct gtctattaac agaggtgata accaagctct 360
ttcaaggtaa taatatgttt atattgagtt ttatactttc catgttccga ggtggccatt 420
ttcattgcat atgtcatccc actaacgtgg ctacacttat ttgtttgttg atgcctgaca 480
gttcacgtca gtcaaattgc ctgcccctct caggtggaat gctcgag 527

<210> 1781
<211> 218
<212> DNA
<213> Homo sapiens

<400> 1781
gaattcgcgg ccgcgtcgac cctaaaccgt cgattgaact gcctcgagcg attctctata 60
catctttccc tgcaaaagaa gtattttcaa tggtttactc caaactaata cttcaaactc 120
tcctctccac tcaaactttt cactcaatat ctagtctaac aagctgttgg gtggctgcct 180
acagtgccac atccctgcct ccattctcta tgctcgag 218

<210> 1782
<211> 260
<212> DNA
<213> Homo sapiens

<400> 1782

gaattcgcgg ccgcgtcgac ctgaatacct ttgaaaagaa cacaccctat cccattcctc 60
caggtagcca ccattcttgg acttatacca agcagccttg ctacaaaaca cttctgagtt 120
tgctaagatc caagagacca gaccttctca tgacaccact gctgtcttct tgtcttcctc 180
tctgtgcagc caccttagca aggctcagtc tcagtcttgc ctccagtcac catccaaaaa 240
taaccaccac ttcccctcgag 260

<210> 1783
<211> 106
<212> DNA
<213> Homo sapiens

<400> 1783
gaattcggcc aaagaggcct aaatttctac cacgtttctg gatacagtga aatagctaac 60
ctctgtttca agaatgcagt tattaagtca aaggaactta ctcgag 106

<210> 1784
<211> 149
<212> DNA
<213> Homo sapiens

<400> 1784
gaattcggcc aaagaggcct attttgctgc taagagttcc cgttttaatt gtcttgcttc 60
ttttctgaac tcttcactcg agtttggacc caaagatcat tgccagaatc ggccaaagag 120
gcctaattga attctagacc ggcctcgag 149

<210> 1785
<211> 158
<212> DNA
<213> Homo sapiens

<400> 1785
gaattcggcc aaagaggcct acttaaatct aaaagtagat ctctgacttg atattccagt 60
ggcctggcct gtgaatcatt tctcgttgac tagcctgtct taactcaatt tgactaaaaa 120
gtcttcacca agagatgtta gttgcacctt ttctcgag 158

<210> 1786
<211> 102
<212> DNA
<213> Homo sapiens

<400> 1786
gaattcggcc aaagaggcct attcttttgg acaaacatga taaacttctt cagatacttt 60
ttttttcctt tggcaggaag gtgtcttgct gcaggtctcg ag 102

<210> 1787
<211> 110
<212> DNA
<213> Homo sapiens

<400> 1787
gaattcggcc aaagaggcct acccagattg ccagcgcagg ttggaagccg catatttgga 60
tcttcaacgg atactagaaa atgaaaaaga cttggaagaa gctcctcgag 110

<210> 1788
<211> 149
<212> DNA
<213> Homo sapiens

<400> 1788
gaattcggcc aaagaggcct aaacacgatt ccattttgtt gatgttctcc ttagcagcag 60

tcgtgctctc ttttcacatt ctgtctacag caaatgcatc cttttgccac attgtcccct 120
gcaccttcca tagatcacac aatctcgag 149

<210> 1789
<211> 195
<212> DNA
<213> Homo sapiens

<400> 1789
gaattcggcc aaagaggcct aaaaaaagac atttattcag cgtcacgatc agactgttac 60
atttagcaat caacagcatg gggtgcaaaa aaaaaaaatc tacattaaaa ccctttgttg 120
gaatgcttta cactttccac agaacagaaa ctaaaataac ctgttataca attagtcaca 180
aatacagtcc tcgag 195

<210> 1790
<211> 233
<212> DNA
<213> Homo sapiens

<400> 1790
gaattcggcc aaagaggcct aagaaagttg gatttttgg aattttggcc tgtgcttcaa 60
ttccaaatcc tttatttgat ctggctggaa taacgtgtgg acactttctg gtacctttt 120
ggaccttctt tggtgcaacc ctaattggaa aagcaataat aaaaatgcat atccagaaaa 180
tttttgttat aataacattc agcaagcaca tagtggagca aatgagtctc gag 233

<210> 1791
<211> 123
<212> DNA
<213> Homo sapiens

<400> 1791
gaattcggcc aaagaggcct agatgggatt ttcatgttaa ctttttttcat ggcattcctc 60
tttaactgga ttgggttttt cctgtctttt tgcctgacca cttcagctgc aagaaggctc 120
gag 123

<210> 1792
<211> 131
<212> DNA
<213> Homo sapiens

<400> 1792
gaattcggcc aaagaggcct atgaacattt atataatcta acctggacat caagctgttc 60
tctctctctc tttttttttaa ttttattatt attattttgg caacatgtac atttctaaca 120
tcgtactcga g 131

<210> 1793
<211> 127
<212> DNA
<213> Homo sapiens

<400> 1793
gaattcggcc aaagaggcct agggatctgt tgctggaaag tcattgtgaa tttttttctt 60
ttcctctttt tatttgtata aatatatgag gtacaagtgt agttttgtta tgtggacctg 120
cctcgag 127

<210> 1794
<211> 107
<212> DNA
<213> Homo sapiens

<400> 1794
gaattcggcc aaagaggcct atggacgtag acattactct gtcctcagaa gctttccata 60
attacatgaa tgctgccatg gtgcacatca acagggccat actcgag 107

<210> 1795
<211> 104
<212> DNA
<213> Homo sapiens

<400> 1795
gaattcggcc aaagaggcct aggacattct tatctcggga cacacacaca aatttgaagc 60
atttgagcat gaaaataaat tctacattaa tccaggtact cgag 104

<210> 1796
<211> 118
<212> DNA
<213> Homo sapiens

<400> 1796
gaattcggcc aaagaggcct agagttagta agggttttat atctcttctg tccatattgt 60
tttcaaagga atgaggtgtt taggtggctg gaaaagcatt tgtaggaagt ggctcgag 118

<210> 1797
<211> 106
<212> DNA
<213> Homo sapiens

<400> 1797
gaattcggcc aaagaggcct ataagtattg cctcaagaac tttccactat agaattcttt 60
ttttatttaa aacatgtatg tatttaaaac tcaactggtt ctcgag 106

<210> 1798
<211> 124
<212> DNA
<213> Homo sapiens

<400> 1798
gaattcggcc aaagaggcct aacttaagta ctaatattcc agaaatttttt gaaagcagta 60
accttaattt cctatgtatt tcattccact tttgcatata ggtcaaatag caatgtgtct 120
cgag 124

<210> 1799
<211> 155
<212> DNA
<213> Homo sapiens

<400> 1799
gaattcggcc aaagaggcct atgaaaataa cctatgattg tatgttttgc attcctagaa 60
gtaggttaac tgtgttttta aattgttata acttcacacc tttttgaaat ctgcctaggc 120
ctctttggcc gattgaattc tagacctgcc tcgag 155

<210> 1800
<211> 115
<212> DNA
<213> Homo sapiens

<400> 1800
gaattcggcc aaagaggcct aattatccaa aatgcttgag ccagaaatgt gttttagatt 60
ttggcttttt ttttttcagg ttttagaata tttgtgttgt actggtgagc tcgag 115

<210> 1801
<211> 110
<212> DNA
<213> Homo sapiens

<400> 1801
gaattcggcc aaagaggcct aagaattatt tttctctgta gaaacacaga taccacttta 60
tcagggaagt tagtcaaatg aaatggaaat tggtaaatgg acttctcgag 110

<210> 1802
<211> 199
<212> DNA
<213> Homo sapiens

<400> 1802
gaattcggcc aaagaggcct aggtgcctgt gaggaatttg aggtccctgg acttctgcag 60
gacacagtct ctgtctccat cagctgcagc cttcaccacc tcgatgtaat ggtctgtgaa 120
ctctgtccca aactcccggc ttgcaccaaa gtccagcagg gtcacctggt ggctggaggc 180
atcatacaga aacctcgag 199

<210> 1803
<211> 259
<212> DNA
<213> Homo sapiens

<400> 1803
gaattcggcc aaagaggcct agtgtgcctt catcttgctg atcttctcct ggctggcccg 60
gagctcgctc tcggtggcct gcaggctcct ctccagtgtg gccacctggt ccagcgtggc 120
ccggcgctcc cgctcactgt gccgcacact ctcctcctgc agcgccagct ccgcctggac 180
cccgctcagc cgcccatcca cactgcgccg ggcttcctca ctctcagcca ccgccttctg 240
cagctgcctg gccctcgag 259

<210> 1804
<211> 138
<212> DNA
<213> Homo sapiens

<400> 1804
gaattcggcc aaagaggcct agtcaggatg aaaaggaagt tgagattttt taaatccctc 60
ttcgcttgct ttattttcag taccaacttg ttatcttttt ccttatctga ggctacctgg 120
ggatgggatg gcctcgag 138

<210> 1805
<211> 103
<212> DNA
<213> Homo sapiens

<400> 1805
gaattcggcc aaagaggcct agctaaattt ataggagttt tcagtaactt aaaaagctaa 60
catgagagca tgccaaaatt tgctaagtct tactattctc gag 103

<210> 1806
<211> 110
<212> DNA
<213> Homo sapiens

<400> 1806
gaattcggcc aaagaggcct actgtttcca atacactggt agagtatcca agatagccag 60
aagaataaag acgacaataa aacagtaaaa tgatcaggtg gtggctcgag 110

<210> 1807
<211> 156
<212> DNA
<213> Homo sapiens

<400> 1807
gaattcggcc aaagaggcct acgagtgtta aagtggttag aagggtgcta gtacttaagt 60
gagatgtcag tgcttgctgt gttcattact attacggtat atgtgaatta cttgggcagg 120
ttgggagagg ggtctaggtc atcaggatac ctcgag 156

<210> 1808
<211> 102
<212> DNA
<213> Homo sapiens

<400> 1808
gaattcggcc aaagaggcct aacttccagt atggctgctt ttttgttctt aaattccttt 60
cttttagtga tggggtcttg ctgtgttact caggccctcg ag 102

<210> 1809
<211> 134
<212> DNA
<213> Homo sapiens

<400> 1809
gaattcggcc aaagaggcct agtttttttt tttaacctct ttaagtattg attctgcttg 60
agaatattga agtacttgcc agaagttgtg gatttcagtt ttaacaaatg ctattaaagc 120
ggagaatgct cgag 134

<210> 1810
<211> 109
<212> DNA
<213> Homo sapiens

<400> 1810
gaattcggcc aaagaggcct actttcactc ttgtaaaagc cacatatcca catctctttc 60
attttctcag tgtgttatgc agcaatttat taaagtattt attctcgag 109
<210> 1811
<211> 129
<212> DNA
<213> Homo sapiens

<400> 1811
gaattcggcc aaagaggcct aatggacagt ctgctactgt gcatgcttaa ctttgtcctc 60
tttactctgt cttttgattc tgttaggggt ttggcaaagg gtggagagaa aagtagagaa 120
ggactcgag 129

<210> 1812
<211> 224
<212> DNA
<213> Homo sapiens

<400> 1812
gaattcggcc aaagaggcct attgggcagg gagtttagaa tgaatggtta atgtttgatg 60
gtcattgggc ttctttttttt tctatgaagt tgtttaagtg gataataata acaataacaa 120
caatgaaagc aaatcaatgt tgcagcttga gagctggtgg ggccttggcc catagcagca 180
cagaaaggga gggaaggaag gacagcattg atgggggtct cgag 224

<210> 1813
<211> 154

<212> DNA
<213> Homo sapiens

<400> 1813
gaattcggcc aaagaggcct atggacctat tataattctt gtctggtttt gtccactgga 60
gcaataaagg aaaatgctta tcttacttct ggagtttctt cagctcctgg gttcagccct 120
caactattcc tcagcaggtt ccttcaagct cgag 154

<210> 1814
<211> 139
<212> DNA
<213> Homo sapiens

<400> 1814
gaattcggcc aaagaggcct agaaaatgtg ggtgatgggg aagttggtaa tgactccgct 60
gttttttctc atggctcctt tgggccacag ctgcccgccc ccggtataca ctgtagttga 120
ttgcagggaa acactcgag 139

<210> 1815
<211> 112
<212> DNA
<213> Homo sapiens

<400> 1815
gaattcggcc aaagaggcct actcatcttt tgttagattt attcctggat ttttttttta 60
ttctattgta aacgatacca ttttgttaat gttatttttcc agtttactcg ag 112

<210> 1816
<211> 153
<212> DNA
<213> Homo sapiens

<400> 1816
gaattcggcc aaagaggcct atataaagca gaattcaaga ggtctcctgt agtattaatg 60
tctgataaac agtgtgtgat tctcttcctc aatatttctt tctttctgtc tctttgtttc 120
ggtctctgta tatatattac tgattcactc gag 153

<210> 1817
<211> 103
<212> DNA
<213> Homo sapiens

<400> 1817
gaattcggcc aaagaggcct aaaaaatatg ccattcttat ctgtttggtt ttttaatctt 60
ggcttaatat ttgggggttga gtcatttgtt ttgagaactc gag 103

<210> 1818
<211> 118
<212> DNA
<213> Homo sapiens

<400> 1818
gaattcggcc aaagaggcct agtgaagtgg agttatggtt tcattcaata gagtattgct 60
gattatactt gagtggaatc ctttcctcac gtactcccac agacgtcggg acctcgag 118

<210> 1819
<211> 456
<212> DNA
<213> Homo sapiens

<400> 1819
gaattcggga aaagaggcct agcctgtatt tccagctact tgggaggctg aggtaggagg 60
atcatttgag cctggggaaa ggaggttgca gtgagccatg atcacgccag tgcagtccag 120
ccagcgcaag cgagtgaggc cttgtcccaa aagataaaaa taagaaaaac ttcatctttg 180
gtctagacat ttgcagctga caaccattca acgatttggt tttttttag tccatggatt 240
aaacaatagt gggtcaagaa tgctttttga actttccttg aggaaactag ggaaaccacc 300
agtgcagtta taattcatac tgtgctgcct ggccccgtca gccttgccgt gtccatgtgt 360
caggtccccc agcctacagt ggattttccg tttacatccc aggatgattt aggaaatctc 420
tccagttttc aacagaacca gctgggcgcc ctcgag 456

<210> 1820
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (609)

<400> 1820
gaattcggcc aaagaggcct aggttaaatg tttattaaat caagctttta aattatatat 60
ccacctacag tctataaaca aatatagtac acatgtatgt aaaaggctag cagataagaa 120
ccagtggaaa aactaaagtt ccctttgcac accggcacct catcacaaca ccctcttggt 180
gtggatgcca tggggccact gctgtagtca aaagttaaat gaaaaaccaa caagtttagt 240
ttgactccgt ctcctagggt ggatttcatt cagatatttg ttccatatta taggagggtg 300
gatcctagca aggcaacagt gtagttttta cattcacaga ttggctgaag tagtacaaat 360
tgagctgcta atctaggtgt ctccctccct gttaccatac ttcataagaa atgtgaatta 420
aaatgaacaa tggaccacag gtggttataa aaatagataa ctcgcagagt cataaatatc 480
tacagttagt agagcagaaa cttctaaaat ttacctttt ccataatgtg cagaatatcc 540
taagtatgtt caagagacac agtcagcaga cttcagagtg gtaattacaa gggcattggt 600
aaagaaatna cactcgag 618

<210> 1821
<211> 575
<212> DNA
<213> Homo sapiens

<400> 1821
gaattcggcc aaagaggcct actgtgggga ggtattcaaa ggtttcctaa aacatcaggg 60
aagttcgcca gggaaagact cgttggtaag catgttctag ggagagctag tggtagacag 120
gcccaggcca cagcaggcct tgtagatggg ccagggctgc ttacctgtgc actaggggtg 180
gtacttggcc ctgccctggc ccctgtgtgg gcttatcctc tgctgagacc attgtggttc 240
tctggtgcca gaggcaccca gaggtctgtg atctgcctgc tttgaggcgg gaagggttgt 300
tccagttctg ctttcccaag cggtggctgt gggcaaccct tatgatccag gacgcatggt 360
catcttaacg agcagctggc tttacaccca gggcgagcag aggtcttaaa ttatgcccgt 420
tgtcctggag taatttagag cagcctcttt tgtattcagg catcctggtt tgcatggtaa 480
ggtatgaata cagttgcctt taaacagcac gatgaagtgg gcgggttatt gttctcattt 540
caccaaggag gataatgaac cttagcgatc tcgag 575

<210> 1822
<211> 288
<212> DNA
<213> Homo sapiens

<400> 1822
gaattcgcgg ccgcgtcgac taagcccctg tattatcaca aattgtcaca tgctgtcatg 60
tattactttc tccttttctg taatgaccta agccctccat attgtcatgt attgtcacgg 120
attagcagtg cttattctga ccacgtagca gtgtgtttgg tgcatgtgtc taatcaagat 180
ttagttaaat tattatactt tcatatgttg acttgtattt tcatgggact gatcgctggc 240
gtggagccgg gcgtggaatg cgagtgccta gtgggccacc gcctcgag 288

<210> 1823
<211> 167
<212> DNA
<213> Homo sapiens

<400> 1823
gaattcgcgg ccgcgtcgac gacatgcaac taatagccct tgaacagcta tgcatgctgc 60
ttttgatgtc tgacaacgtg gatcgttgtt ttgaaacatg tcctcctcgc actttcttac 120
cagccctttg caaaattttt cttgatgaaa gtgctccaac actcgag 167

<210> 1824
<211> 207
<212> DNA
<213> Homo sapiens

<400> 1824
gaattcgcgg ccgcgtcgac ccttattttg aagaaaagaa aagaaattga agaagtgaca 60
gaaaacttct taaatttggc aaacctaaat attcaagaag ctgggcaaac tcctaacagg 120
aaaaactcag atccattccc agatactttt taagtaattt gctgaaaact gaaaacaatg 180
aaaaaaatct tgagagcagc actcgag 207

<210> 1825
<211> 222
<212> DNA
<213> Homo sapiens

<400> 1825
gaattcgcgg ccgcgtcgac gtttaaaaag gagtagccta agattaattt aaaagattat 60
ttacagatga cacatttatg gggtcactat ttaagtaaat ttgctgccct ccacagcctt 120
ctaatttttat ttatatgttc cagcagatta ttaggatctg cttacttctt aggaaagaat 180
caatgctggc aacacattgt ttcagaaaca ccaagtctcg ag 222

<210> 1826
<211> 165
<212> DNA
<213> Homo sapiens

<400> 1826
gaattcgcgg ccgcgtcgac cctaaaccct catattcttt ccctttatca catgttgttt 60
cctctcctat gctacctggc cctttcctcc ctctcccaac ttgccccaca gctgctcccc 120
ccaaccacac ctagcctggc caacccctct actcaccctc tcgag 165

<210> 1827
<211> 145
<212> DNA
<213> Homo sapiens

<400> 1827
gaattcgcgg ccgcgtcgac cttcattgct ctgtttgggt tcctgttttg caagggcaaa 60
aactgaataa aaattatagc attctatttt ccagccacaa atgtggtcct cagctctttc 120
taattatata atcccattac tcgag 145

<210> 1828
<211> 205
<212> DNA
<213> Homo sapiens

<400> 1828
gaattcgcgg ccgcgtcgac ctctgggttt gttcttatta tcattattga tgactttatt 60
tgaagaaccc aaatatgttc ttcccatttt ttcggatcac ttgttaatat ttttagttaa 120

aatcattctc tggggagagt taaaagaagc agtccaggta gctggtttat tgtgtagagt 180
aacagataat tctgatgtac tcgag 205

<210> 1829
<211> 190
<212> DNA
<213> Homo sapiens

<400> 1829
gaattcgcgg ccgcgtcgac ttttctatta agcacaaaat ttaacttttt ttcagtctag 60
attttgattc tccagaacca tgctttggct tttcctcctg tgttttctgc aggaaagtgg 120
atttatggtt actatggtct ctgggcttat agatgaactt ccctttaact gtttaatgtg 180
cacgctcgag 190

<210> 1830
<211> 177
<212> DNA
<213> Homo sapiens

<400> 1830
gaattcgcgg ccgcgtcgac actcccccat aacctctctg acacctcatc atttacacct 60
ccagacatac tagcccctta ttgtttctcc cccatggctg ttccttcttt ccttttgctt 120
ggagtacttc ccctcctcac caagttcctc cccaatatct tcacagagtc gctcgag 177

<210> 1831
<211> 196
<212> DNA
<213> Homo sapiens

<400> 1831
gaattcgcgg ccgcgtcgac cactggtcat gtatttattc catatttata tggtctactt 60
cctgtggctg ggagcagcag ctcctgaagg ttccgtgggg gtgcgggggg ttggacagga 120
cactccttct tggaaggcac caattttccc agccccactc ccattacaca cacacacaca 180
cacacacact ctcgag 196

<210> 1832
<211> 305
<212> DNA
<213> Homo sapiens

<400> 1832
gaattcgcgg ccgcgtcgac gggggaaata aagcacatct gaaataattt tcaaaaacga 60
ttggcctctt caaagaagtc ataaatatct gacactcact gagaaataac tggcaactta 120
catgatcccc ccaaatcttg agctaatcat tcatagaggg gaaaatagat aatgtatagt 180
gttacttcca tttgatgata atgatgatga tgatgatgat tatttttgtt attctaagac 240
tgagcttcgc tctgtcaccc gggctggagt gcaatggtgc aatctcagct cactgcaacc 300
tcgag 305

<210> 1833
<211> 266
<212> DNA
<213> Homo sapiens

<400> 1833
gaattcgcgg ccgcgtcgac actccccctg tggaagaaac cagctctgtg tcttccctga 60
tgtcttcacc tgccatgaca tccccttctc ctgtttcctc cacatcacca cagagcatcc 120
cctcctctcc tcttcctgtg actgcacttc ctacttctgt tctggtgaca accacagatg 180
tgttgggcac aacaagccca gagtctgtaa ccagttcacc tccaaatttg agcagcatca 240
ctcatgagag accggcccat ctcgag 266

<210> 1834
<211> 231
<212> DNA
<213> Homo sapiens

<400> 1834
gaattcgcgg ccgcgtcgac ttcatttggt tgttacatct cttaaatctc ttcttcctct 60
gtctttcttc ccccactttt tttttttgc ttcatgctgt tgacttgtta tggaaacctg 120
gtcagttatc ctgtagagta ctgtatttct cactccatat ttgtttgctt tcttgtggtg 180
ttaatttgtt cctctatcct ttggatttcc tataaaatgg aagtcctcga g 231

<210> 1835
<211> 217
<212> DNA
<213> Homo sapiens

<400> 1835
gagcccccag taagttattg cagatcaagt cgccacctgt ttctaggatc acagaaggtt 60
cctatagatc agtctagcct acccgtttta ccagtgagga aaccaagcac caggaaagga 120
attggccatg tcactcagtg agcaaacagc tgagttgaca ctggaagctg gaagcttgtt 180
tgccagtctg ttgttcacat tatactcaag actcgag 217

<210> 1836
<211> 179
<212> DNA
<213> Homo sapiens

<400> 1836
gaattcgcgg ccgcgtcgac agaataacgt gcactatgat atctgtgttt gggttgtatg 60
atagttttcc atacactttc cttagcagca tttacataat taaggcatac ttcatttgca 120
cagacaatct gatttcccct acccttcact cacaaccctt aaaaccccca attctcgag 179

<210> 1837
<211> 188
<212> DNA
<213> Homo sapiens

<400> 1837
ctcgagaaat gggaattgca ttgagaaagt ttccttttgt ttttctaaat ggctttttgc 60
ctgagggaag gcctacgtaa gccacgttag gtaatagaat ccagatagaa actactgtct 120
tactgagatg aagaaccaga tgacagagtt cagagtgatt ctatcagggt cgacgcggcc 180
gcgaattc 188

<210> 1838
<211> 244
<212> DNA
<213> Homo sapiens

<400> 1838
gaattcgcgg ccgcgtcgac tctcaatgga cagcttagtc aacggaagct cagagaggtg 60
gtgtaacttg ccaaaagtcc cactacccag tgaatgtccc cacggggtct gcacccagga 120
gtctgacaca gagcccaggc ctcagcacct ggcgatgttt tgggggtgtg agcagcccag 180
cctactctgg gcacgtgttt acttgctgtt ccttctgcct catgtttgtg tttgcccccc 240
cgag 244

<210> 1839
<211> 148
<212> DNA
<213> Homo sapiens

<400> 1839
gaattcgcgg ccgcgtcgac ttcttaaccg tttgcaagca ctattcccct gccgaacctt 60
taggatcgtt gcatccgtga ttttcctaat atttatcatg cgtttagtgc tagccttttg 120
ttatgtatta tgcaggtgcc aactcgag 148

<210> 1840
<211> 596
<212> DNA
<213> Homo sapiens

<400> 1840
gaattcgcgg ccgcgtcgac atgaccttac gaagcttaac ccaaaggtac agagttcatc 60
cctttatatt ctgcattttg taaaatgtaa acaatgctta ttttgtgcaa aaataatttg 120
ctactagtct ttgtggaatg tgacttgata aggagtatta ggaattgttc atatcaatta 180
ttttaattac tttttttttca gtttgaaata gttagagatt cgtaggaagt tgtgaaaata 240
atacagagat ctcctgtact tctcacccag tctttccagt ggggagaatc ttacaacact 300
aatagtgaaa tatctaggtc aggaagttgg cattggtata gtccacggac ctcactcaca 360
tttccctggt tttgcgtaca tgtgtgtttc tcggcatcgt gtgtatagat gataaatact 420
aatatatatg tatagaacaa atctatacac atgatgcttc ctcctcccgc ctcctgggga 480
tctttcatat atactgcata tatatatgca tggaacaaat ctataacaaa tatatgtata 540
gaataaatct aaactgcatc atgtgtatag atttgttaag ccaccacaag ctcgag 596

<210> 1841
<211> 158
<212> DNA
<213> Homo sapiens

<400> 1841
gaattcgcgg ccgcgtcgac ctctggagaa tctatgcgaa tcaacctttc taccttaata 60
tctccccaaa aatgtatagt gccttgtttt tatgtacagt ttatatacag aaaagtttgc 120
tctgcatttt tgatgatggt ttggaacatt atctcgag 158

<210> 1842
<211> 179
<212> DNA
<213> Homo sapiens

<400> 1842
gaattcgcgg ccgcgtcgac ctaaagaaaa ctaagatata aactaccaag tgctcttaag 60
aataaaaata agaataagaa tacaaaggag cactactctt ggctacacga aagatcttgg 120
gattcatgac actgagggca gggagaagaa agaacaccag ccacgcagag aacctcgag 179

<210> 1843
<211> 189
<212> DNA
<213> Homo sapiens

<400> 1843
gaattcgcgg ccgcgtcgac gtctcataaa aattgaagca aacctagaag gcatgaaaca 60
tctggcagcc aattccagat gaagcttaat tttgcctacc tttgttttat tatcttttct 120
ctttttcaca gagggtctct tgagcagtgt tgtgagttta acctagcaat ccatggagct 180
gaactcgag 189

<210> 1844
<211> 217
<212> DNA
<213> Homo sapiens

<400> 1844
gaattcgcgg ccgcgtcgac caggatttat ggaaagagga aggaaggcac agaactgggg 60

caaggttctg gttttgttct gttattttgt tgtcattgtt actgtttgtt tttctttttt 120
tgagacagag tctcgcactt gtcccccagg caggagtgca atggcgcact cctggctcac 180
tgcaacctcc acctcccagc ttcaagcgat tctcgag 217

<210> 1845
<211> 326
<212> DNA
<213> Homo sapiens

<400> 1845
gaattcgcgg ccgcgtcgac cacaactgga ttttttagtt ataacagcca gaactggagt 60
cttccattcc agtgtatttt ccttcatttt aagggtgaaa taagacctgg atccaccaag 120
gtcttgggac agattgaaga aagaccctga gcagggctgt tttttgcctc tgaaggctgc 180
cttcctgaaa tctcatgagg ggactatgct tagttcctgc tgtttccaca gttcttagga 240
aaatgcagcc tatcttcatc ctaatttctc tgtcaacttc tgctctgtca acttctgagg 300
gacatttaaa gcaaccacag ctcgag 326

<210> 1846
<211> 189
<212> DNA
<213> Homo sapiens

<400> 1846
gaattcgcgg ccgcgtcgac acgtaattct ctgcatttgg cactacatac gagaaatata 60
attttaatta gtacttcaaa gcatactaaa tttctaatcc attgtgagct ctattcattg 120
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<210> 1847
<211> 180
<212> DNA
<213> Homo sapiens

<400> 1847
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agcctttctg cagtatctga gaaaatgtgg tatgaccatt caatccatgg gcacctcgag 180

<210> 1848
<211> 117
<212> DNA
<213> Homo sapiens

<400> 1848
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tttgtggcta gacctggaat gctggctttg tatttctggg cctctctccc tctcgag 117

<210> 1849
<211> 407
<212> DNA
<213> Homo sapiens

<400> 1849
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tgtacttaag aatgactggt ttactcctaa attgtgctct aaagtacagt cctctttctt 180
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actctattca caattctcaa caacccagga atgctgccaa atctctctca agacctacca 300
cagaaactca gttttcaaat atggggatgg aagatgttcc cctcgccacc agtaaaaagc 360
taagttccaa tattgaaaaa tctgtaaaag acctccggca actcgag 407

<210> 1850
<211> 175
<212> DNA
<213> Homo sapiens

<400> 1850
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tgtcttaaaa atgacctttg catcttgctg tagccttcag caaactgcat ttgttgcttt 120
gcaggacagg gcagtgttcg ggttgaagtc ctgtgttctg atcgggattc tcgag 175

<210> 1851
<211> 194
<212> DNA
<213> Homo sapiens

<400> 1851
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gctcccctctg agcattgtag aagtgttcca gcacccctat gaagaccaca ttcattttgt 180
cagggatact cgag 194

<210> 1852
<211> 204
<212> DNA
<213> Homo sapiens

<400> 1852
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tttggtgaat accaaaacgt tagtatttta aacatatgct ttagttctga cactgaattt 120
gtagttacga tatgttatct cggtatagta gtctcctctt atctgtgggt tctgttacct 180
gtggtcaact atggtcccct cgag 204

<210> 1853
<211> 199
<212> DNA
<213> Homo sapiens

<400> 1853
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aaataagata tagagccact ggagcacaga ggacaggttc tttctggtcg aaggcactaa 120
ggacagtttc accgagaaga ttttgaggag agtcgagcta aaaatgagga ggattttgat 180
agaaggatgg atactcgag 199

<210> 1854
<211> 149
<212> DNA
<213> Homo sapiens

<400> 1854
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catgttataa tcatgttaca gtcattacta cccctcttat ctcttccatg acgtcttttc 120
tgatgtttct tcattcccca ttactcgag 149

<210> 1855
<211> 177
<212> DNA
<213> Homo sapiens

<400> 1855
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ttttgttttg ttttgtttta ttgtttaagt gggaccactt agcttcccgt ttccttacta 120
gttaaagaac agacattaat tttcagttga atgtattttt gcaggcatct actcgag 177

<210> 1856
<211> 237
<212> DNA
<213> Homo sapiens

<400> 1856
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ctcaatcatg gacaaagtcc gctgtttcct ggacctcagc ttgaaaggcc caaccatcac 180
gtcagattct tgagtggcca ggagggaggc tgtgcttctc agctcagctg cctcgag 237

<210> 1857
<211> 257
<212> DNA
<213> Homo sapiens

<400> 1857
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ttatgcagac tttccccctc ctttttctct tttctcttcc ccttgctttt ccactgtttc 120
ttcctgctgc cacctgggcc ttgaattcct gggctgtgaa gacatgtagc agctgcaggg 180
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tggcagccca actcgag 257

<210> 1858
<211> 238
<212> DNA
<213> Homo sapiens

<400> 1858
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tggggtttgg ggttttctacg ggtacaggat agggaggcat ggcgggccaa aagcaacact 180
tgagttcgaa aacaggaata cctgttccca tttagggccg caggtttcca agctcgag 238

<210> 1859
<211> 160
<212> DNA
<213> Homo sapiens

<400> 1859
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cagtatttct ttctctgggg tagtagttaa catgaatttt aatctttgtt ttgctttgct 120
aataactgtt atattttcag gctatgccca cccactcgag 160

<210> 1860
<211> 190
<212> DNA
<213> Homo sapiens

<400> 1860
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agtgtcatct cctccaagaa gacttttcaa ctcctgtaga ccaatgtttc tcaaaccttt 180
tttactcgag 190

<210> 1861
<211> 152

<212> DNA
<213> Homo sapiens

<400> 1861
gaattcgcgg ccgcgtcgac tgcttctgca aaactattac tgttgataaa gttcttttc 60
attgcttaat tttcttctct gttaacagtt acaaagaagt tttttctgag atggacatga 120
tggctcacac atgtagtccc agcttactcg ag 152

<210> 1862
<211> 111
<212> DNA
<213> Homo sapiens

<400> 1862
gaattcgcgg ccgcgtcgac gagtgggcag ctgtgtgttc taaattgggt catgttgggc 60
aaagggctac ttttaaaaat tatgttaaaa gttcttacat atccactcga g 111

<210> 1863
<211> 199
<212> DNA
<213> Homo sapiens

<400> 1863
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tctggtattc tatctaatca taaacccagc tttattattc atttcaactc ctgccaaaga 180
catgaggtcg gcactcgag 199

<210> 1864
<211> 257
<212> DNA
<213> Homo sapiens

<400> 1864
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aggacttgag taacagcaac atggtaagtt ttctaagttt tcttttcgtc tcccatatac 120
gctgggctgt gctggaatca ccaacaggca cagaaaaaat gacaacaaaa caacaacaaa 180
acccccaaga atatcctgtt ctctttggcc aaagttcagg aaaggggagc cccaacagag 240
acccagtaca gctcgag 257

<210> 1865
<211> 135
<212> DNA
<213> Homo sapiens

<400> 1865
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gaattaggtc tgtcttctac gtttagtaca atcctcaccc aatgttccaa agaaatattt 120
atggtggcac tcgag 135

<210> 1866
<211> 189
<212> DNA
<213> Homo sapiens

<400> 1866
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tttttgcatt tgctgtttct tctgtctaca atgctcttcc tccagaaatc catgattctt 120
tccctgtctc ctttgagtct ttgctttaac caaatattat cttttcagat aggtcttccc 180
tgcctcgag 189

<210> 1867
<211> 237
<212> DNA
<213> Homo sapiens

<400> 1867
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acttacttag gggtgtgccc ttgtgattca gttttgttac tttaaaaata attacaaaca 120
aatctatttt tctcactaaa gtaccaaata aatcagaatc tttcactctt ttaaaacaga 180
cccttccgta tgtttgtctc tttgcttttc ttgtctgttt atgcaattcc actcgag 237

<210> 1868
<211> 307
<212> DNA
<213> Homo sapiens

<400> 1868
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ctgtgtcacc cagactggaa ttcagtggca tgatttcagc tcactgaaac ctctgccacc 180
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tctcgag 307

<210> 1869
<211> 179
<212> DNA
<213> Homo sapiens

<400> 1869
gaattcgcgg ccgcgtcgac aaatttaatt tttccttttg ttacttttca tttgcctcta 60
attttgcttg ctcatatttc tggccaatgt acagcctcat atttttcaga gtaatacaga 120
tacttgttct cattccgtat atgagcacaa gtaaggtttc agagcaacac acactcgag 179

<210> 1870
<211> 200
<212> DNA
<213> Homo sapiens

<400> 1870
gaattcgcgg ccgcgtcgac cgctatatga ttttctgtct tttcagcctg ttttttcttct 60
cctcagccac ccttaccttc tgtttttggt tccttttttat tctcattctt ctggctgcat 120
tctcttctcc agtttcatgt ctccccttct cctcttgctc tgtacccccct ggcccccaag 180
ttcctcccca accactcgag 200

<210> 1871
<211> 137
<212> DNA
<213> Homo sapiens

<400> 1871
gaattcggcc aaagaggcct acaattcttt cgaggactgc gaagagggga aaaaacgacg 60
agatgaaatt gtacttggct gcagccgtgc tgatgtttgt acttgctgta cacacagagg 120
ccccggagga actcgag 137

<210> 1872
<211> 196
<212> DNA
<213> Homo sapiens

<400> 1872
gaattcgcgg ccgcgtcgac cattatctcc ccaccccaga tttcttctga cttgaattcc 60
tgctactctc tttttgtttg ctctgctcta accctactgg ctgccttcta cctctggttc 120
ttcgcactgc tgtttccttа gccttaaacc ttcttcagcc gcttacacca tgaacctttt 180
catatcctta ctcgag 196

<210> 1873
<211> 174
<212> DNA
<213> Homo sapiens

<400> 1873
gaattcgcgg ccgcgtcgac gcatgagcaa gaaactgcct gctttacaat tgccattttt 60
atttttttaa aataatactg atattttccc cacctctcaa ttgtttttaa tttttatttg 120
tggatatacc attttattat gaaaatctat tttatttata cacattccct cgag 174

<210> 1874
<211> 174
<212> DNA
<213> Homo sapiens

<400> 1874
gaattcgcgg ccgcgtcgac gaagtctgat cacctcagga tggtgaaacc gagttcttct 60
ggagaacata ttggaaataa taaagttatg tgcctgatca gttgtttcgt tactctgtct 120
ttttcgttgt tgttgttgag atggagtttc gttcttgttc cccacaagct cgag 174

<210> 1875
<211> 106
<212> DNA
<213> Homo sapiens

<400> 1875
gaattcgcgg ccgcgtcgac attttatctc acctacctca aatatttctt tttttttaa 60
tttaaaaaag atgaaacact tgaccaattt gcgtatcatc ctcgag 106

<210> 1876
<211> 246
<212> DNA
<213> Homo sapiens

<400> 1876
gaattcgcgg ccgcgtcgac tgcctcgaac gcttccccat attttctatt ggaaaaataa 60
ggtttgtttt ccagtaagat atttcatttt ttaaaaaaat ctgcttctac tcaaggctgg 120
ggttctattt gtttttaaat gaagcccacc aaacctccca agtgcaactc agatttacat 180
ctggctaatc ctgcaaatat gaccaaccaa attcatgctg tttattttat ttatttttt 240
ctcgag 246

<210> 1877
<211> 236
<212> DNA
<213> Homo sapiens

<400> 1877
gaattcgcgg ccgcgtcgac tattgaaaaa tattatttat aagtacttgc cttatttcct 60
tgaagtctgt ttattttagg aggatttgtt ttcacaagaa ctaaagagtt actaaggaaa 120
gataatttgt tttccaacac agtgtatcca aaataatttc tgtggaatat taatattgaa 180
ttgtcatgga aaattctaaa ctagaaattt attacacgaa agcaacaaca ctcgag 236

<210> 1878
<211> 385

<212> DNA
<213> Homo sapiens

<400> 1878
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cgttctgttg atggggcctc tcaaatactt cttggacctg ttcccttcat ttcttctcca 240
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aacaccctgc cacataccac tcgag 385

<210> 1879
<211> 255
<212> DNA
<213> Homo sapiens

<400> 1879
gaattcgcgg ccgcgtcgac gcctgttata cttccaagtg gagatgttga gtagacagat 60
ggatgtatga atggggcagg gggatccctg aaggaggagg tataaaggtg ggagtcatta 120
acatacagac agtacttgat gtcataagag atgatcagat aattactaag aggcaaaata 180
tagatgagaa aaggattgag ccgtgagcac tcccaccctg aaagtctggg gagttgagaa 240
tgacccagac tcgag 255

<210> 1880
<211> 170
<212> DNA
<213> Homo sapiens

<400> 1880
gaattcgcgg ccgcgtcgac ttatggccct ttagtaatat gtttaaacta acatgttctt 60
tgtacattgt tttctgtaca acaacgtatt tggccctaaa ctgcatgggt cagtttagaa 120
cacacatcca tcatgtaaga tacaagcagt atgatggagg cgctctcgag 170

<210> 1881
<211> 647
<212> DNA
<213> Homo sapiens

<400> 1881
gaattcgcgg ccgcgtcgac agattgacca cattgatcac aatatgggag tctggagaac 60
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cttcagtagt ttcaaaaggt ggcctttcca ctggagttgc ttcacttagc tctacaatca 180
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aaaaaggtgt aaatgggtca ataaatggaa gtaatacatc atctgtaatt ggtatcaaca 600
catctgtact atccactact gcttcaaggt ccatgggact cctcgag 647

<210> 1882
<211> 545
<212> DNA
<213> Homo sapiens

<400> 1882
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gtgattggta gaactccttt cctcctaatg ttctcttaaa ctgcctgaag tttttcaatt 240
tacttttca tagtacccca aattctacta gagataagtt tgtgggaaga gtgccaaata 300
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aatcagtgca tgtaactgaa aaatataccg tcagccacac tgctctccaa aactgtattt 420
ccagcgttct cctggacctt ctgggcactt ctaattgctt attattatta ttttcagaaa 480
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tcgag 545

<210> 1883
<211> 175
<212> DNA
<213> Homo sapiens

<400> 1883
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aatattcagt tccatggcat ttgcaagaca catgttcttt aggacagtta atattatgac 120
acatctgttt tattttgtta ctaaggcagc ctatgttaaa gggtctcgtc tcgag 175

<210> 1884
<211> 336
<212> DNA
<213> Homo sapiens

<400> 1884
gaattcgcgg ccgcgtcgac cctgtgattt ctcaccagct tcctttccac ataggccgct 60
gcttctcttc ttccaaggtt tttccccgct tttgcctcct ggaggttgta tcctgggtgt 120
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ttcacaacat gtatttatac aacagcaaag ctcgag 336

<210> 1885
<211> 536
<212> DNA
<213> Homo sapiens

<400> 1885
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tcatttaact gcttgcttcc cccacaatgg aaccactttt tatgtccata atcctatttt 180
caccaatatt gggggtccag cttcaatacc aagtgttaaa acagattcaa cagttagcca 240
cgctaactaa cttaacttct tgttacattt gtacctcagg atcactatca gctgaagttt 300
taccattacc attagaagat atagtcaagg tcaatgccag agtcactgtt gccacccagt 360
cagaagttac atatcccagt ccagctgtgg aaagcttatt cctaacagtc ttatctcaga 420
tcataagaaa caacccaaat ttaaatttta caaatgcccc aaatcctgta agggtttttc 480
acaacctaac ctcagacagc caattcccaa tttgtttcac ttcccaccat ctcgag 536

<210> 1886
<211> 411
<212> DNA
<213> Homo sapiens

<400> 1886
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ttctactgtc aatgtgtccc aggatataga ctgcattctg ggaatgaaca attcagtaat 360

tccaatgaga acacctgtca ggacaccacc tcctcaatgg caaccctcga g 411

<210> 1887
<211> 130
<212> DNA
<213> Homo sapiens

<400> 1887
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gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtagga tgccacacac aaaccccggg 120
gccgctcgag 130

<210> 1888
<211> 495
<212> DNA
<213> Homo sapiens

<400> 1888
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cacccgctgg tctactgccc cgagctgcac ttcagcgagt tcacctcagc tgtggcggac 360
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cagaagcaac tcgag 495

<210> 1889
<211> 363
<212> DNA
<213> Homo sapiens

<400> 1889
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agaagtgagg aaaattaatg accagtatat tgcagtgcaa ggagcagagt tgataaaaac 180
agtagatatt gaagaagctg acccgccaca gctaggtgac tttacaaaag actgggtaga 240
atataactgc aactccagta ataacatctg ctggactgaa aagggacgca cagtgaaagc 300
agtatatggt gtgtcaaaac ggtggagtga ctacactctg catttgccaa caggaagctc 360
gag 363
<210> 1890
<211> 363
<212> DNA
<213> Homo sapiens

<400> 1890
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agttgctgtg tttatttcca taaaatttgc tggaaaaagt tcaagaattt aaagtatcca 180
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gag 363

<210> 1891
<211> 425
<212> DNA
<213> Homo sapiens

<400> 1891
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gctgggaggg ttcaagtctc aagatagaga ggccacggcc agctgctcac ccaaagagaa 120
agcactttta actctagagg tacccaacag gcaatataag atggatatta aggtcgtaga 180
ctctagagac aattggaact gaagtctaaa cagctagcag gaacttagac aagtcaatta 240
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tactgtgaaa ggtaaatgtt tataacatgc ttactaaaat gcctgttttt atagtaagtg 360
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tcgag 425

<210> 1892
<211> 304
<212> DNA
<213> Homo sapiens

<400> 1892
gaattcgcgg ccgcgtcgac cctaaaccgt cgattgaatt ctataacagt gcaataaggg 60
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acagatggtg cctcactgtt gcatgacatg tccgggagtg gctgatgttg cctgttggac 180
tgaaacctgt gtggtatttg agacacactc ccaccccatc aggcctctgt gcacctaccc 240
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cgag 304

<210> 1893
<211> 229
<212> DNA
<213> Homo sapiens

<400> 1893
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agagaatgag gacttttcca cccacacccc cccacttcct gtttctgaat gctgctgtcg 180
ggctgcctgg gccaggtctc atggggccca gctggaggct tccctcgag 229

<210> 1894
<211> 437
<212> DNA
<213> Homo sapiens

<400> 1894
gaattcgcgg ccgcgtcgac cctgcccgag cctgttttat acacaccccc tttatatagg 60
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gagttcttgc aaagacagaa aaatcaacct acaagttgtt ttcaaaatac tactcatttt 240
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cgtttgtttg tttgttgttt tttttgagac aatgtctcgc tctgttgcct aggctggagg 360
gcagtggtat gatcatggct cactgcagcc ttgacctccc aggctccagc aatcctccca 420
cttcagccac gctcgag 437

<210> 1895
<211> 279
<212> DNA
<213> Homo sapiens

<400> 1895
gaattcgcgg ccgcgtcgac gtaactaaat acctctttac ttcactgcta tttataaggt 60
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ttgccactcc tcttcagcat agtactagaa gtcctagcca gagcagtcag acaagagaaa 180
gaaataaagg gcatccaaat cggtaaagag gaagtcaaac tgtcagtgtt tgccgactat 240
atgatcattt accttcaaaa ccctaaggat aacctcgag 279

<210> 1896
<211> 252
<212> DNA
<213> Homo sapiens

<400> 1896
gaattcgcgg ccgcgtcgac aggaaccaca gcaatgaatg gctttgcatc cttgcttcga 60
agaaaccaat ttatcctcct ggtactattt cttttgcaaa ttcagagtct gggtctggat 120
attgatagcc gtcctaccgc tgaagtctgt gccacacaca caatttcacc aggacccaaa 180
ggagatgatg gtgaaaaagg agatccagga gaagagggaa agcatggcaa agtgggacac 240
atggggctcg ag 252

<210> 1897
<211> 127
<212> DNA
<213> Homo sapiens

<400> 1897
gaattcgcgg ccgcgtcgac cctgtcctgt gctaggctct taacgtcctt cccagatgtt 60
atgtcccttc ccttggtggc tgctgctttc tgccacattt taccttgccg ttccgcacca 120
tctcgag 127

<210> 1898
<211> 441
<212> DNA
<213> Homo sapiens

<400> 1898
gaattcgcgg ccgcgtcgac aaataaacaa cttagttact cttagatttc agaaatgctt 60
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gaacatggcg attccactca ctggctggtt gggtccttcc ttccctttcc ttcccgagag 180
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actgcctctc accctctgcc actaatctgg ctccttcccc tgagcccctc ctccctgacc 420
tgaccagggg tccctctcga g 441

<210> 1899
<211> 313
<212> DNA
<213> Homo sapiens

<400> 1899
gaattcgcgg ccgcgtcgac gttgaattct agcgctgtga gagaagaaag tcatagagtt 60
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ttggtttttc tcagtctaag tgataataaa aatgataact aacatatata tagcacaatg 180
cctggcattt tcaacatgtt ttccatctac tgagatattt aacttgccaa gccatcttag 240
gtatacagtt acagtagtcc tctgccttat ctggtttcag ttacccacag tcaaccacgg 300
tccggaactc gag 313

<210> 1900
<211> 237
<212> DNA
<213> Homo sapiens

<400> 1900
gaattcgcgg ccgcgtcgac accgtcgatt gaattctaga cctgcctcga gccatccgcc 60
caccacacac cttcttattt tgctgcctag gtcctgcttc tcaatttttt taaaaaaaaa 120
ttgtattaga atatgcataa cataaaagtt accattttaa ccatcatggg gctttgtttg 180
tttgtttgtt tgtttgtttg tttgagacag agtcttgctc tatcacccac gctcgag 237

<210> 1901
<211> 315
<212> DNA
<213> Homo sapiens

<400> 1901
gaattcgcgg ccgcgtcgac gtgcatttgg tatacaccac gggggccctg gaaccaagac 60
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gcgggtcctt cccagtctcc tttgctgttt catcctttgc tctgcctctt aatgttagcc 180
agcatccagg gctcattcct gggtcccttt ctattctctc tacacatgaa ccctggggct 240
ctctcccagt ccctggttgt aaataccagc tataggccta tgacttccca gtctcaatct 300
ccagccagac tcgag 315

<210> 1902
<211> 304
<212> DNA
<213> Homo sapiens

<400> 1902
gaattcgcgg ccgcgtcgac gtgagaatca cttgaacctg ggagacagaa gttgaagtga 60
ccccagatca caccactgca ctccagcctg ggcaacgagc aaaactccat ctcagaaaaa 120
aagattgggg atttaatttt cgctaggctt tacgtcctta gaagataaga tctagttctt 180
ttttttctgt cttttaacat ttatgtttaa aatatacaag gaatgcagaa tgcattatta 240
tgctgttttt atgcagtttt atcttttgag tgccttagat gcacttctga ccccatcccc 300
cgag 304

<210> 1903
<211> 364
<212> DNA
<213> Mus musculus

<400> 1903
gaattcggcc aaagaggcct aatttaaaag aacacaaaac tattaatgat taatatgtta 60
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tgtatgattt ttgtaggcat ttttggtgat tcttttacta agtattttaa atttaacgaa 180
ttcctaggtg gctgtgctgc taatggatac ccagggtgcc tttgatagcc agtcaaccat 240
taaagactgt gcgacagtgt ttgctctgag cactatgacc agctctgtgc aggtatataa 300
tttgtctcag aatattcaag aagatgatct tcaacatcta cagttattta cagagttgct 360
cgag 364

<210> 1904
<211> 500
<212> DNA
<213> Mus musculus

<400> 1904
gaattcggcc aaagaggcct agggaggaaa gtttcatcag ccctctggtg ctctactgcg 60
ttctggctgc cactccaact gctattattt tcattggtga aatatccatg tatttcataa 120
agtcaacaag ggagtccctg attgctgagg agaaaatgat cctgacaggg gactgctgct 180
acctgagccc cttactccga aggatcatca ggttcatcgg ggtatttgca tttggacttt 240
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tcaacaatgg caacatctgc actggggacc tggaagtgat agaaaaagct cggaggtcct 420
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caagcacaat caaactcgag 500

<210> 1905
<211> 514
<212> DNA
<213> Mus musculus

<400> 1905
gaattcggcc aaagaggcct atttcatcat ggagctctcg cggcggatct gtctcgtgca 60
actgtggctg ctgctcctat cgttcttact gggcttcagc gcgggatctg ccatccactg 120
gcgggaaccc gaaggcaagg aagtatggga ttatgtgact gtccgaaagg atgcccacat 180
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cgcaaaggac ctggacacgg tggcttccga catgatggtt ctcctgaaat ccttctttga 480
ttgccataaa gaattccaga cggttcaact cgag 514

<210> 1906
<211> 444
<212> DNA
<213> Xenopus sp.

<400> 1906
gaattcggac tactacaggt ggcctacacg ctttttccta gcctgaagat ctcgtgctgc 60
atgatgagtc ttaagacggt gggtgatcca tttttatcca gtttgttaca tggaaatcgt 120
accagcgatt ttgaacgcac gtctgtgagg tggaaccaga aggctgtttg aactgtggga 180
ttggtgtttc caaagaatga gagtctttgg tatgagcgag aacaagagcg tatgcagaga 240
ccggtggtgc attttggaat actaagttgt caatgtgtct ctcaatccag tggcaatgat 300
gagcgtgtgc agagagcaat gggagcaagt aacgtacgaa tgtttcttgc attcaaagga 360
ctttagctta tttgaaagac tgaggctaaa tctatttgtc tgaaacagtt tgtacattta 420
ttttcagcct gccctaaact cgag 444

<210> 1907
<211> 337
<212> DNA
<213> Xenopus sp.

<400> 1907
gaattcggac tactacaggt gggaaaagca gaagtatctg gaagagaaaa tgacacaaag 60
tgtcttatcc aagattatca aaaccggata tgcagcactc caactggagt acttcttcac 120
cgccggcccc gatgaagtac gcgcctggac tatcgagaaa gggacaaagg ctcctcaggc 180
tgcaggcaag atccacacag atttcgagaa gggttttatt atggcggaag taatgaaatt 240
tgacgatttc aaagaagaag gcacagaggc atctgtcaag gctgcaggaa aatacagaca 300
acaaggcaaa aattacacag tagaagacga cctcgag 337

<210> 1908
<211> 352
<212> DNA
<213> Xenopus sp.

<400> 1908
gaattcggac tactacaggt gcacatacag gttgggcaga ataacaatgt ctcgaacaag 60
gaaagtggac tcattactgc tactggtcat acctggactg gtgcttctct tattacccaa 120
tgcttactgt gcttcgtgtg agcctgtgcg gattcccatg tgcaaatcta tgccatggaa 180
catgaccaag atgcccaacc atctccacca cagcactcaa gccaatgcca tcctggcaat 240
tgaacagttt gaaggtttgc tgaccactga atgtagccag gacctttttgt tctttctgtg 300
tgccatgtat gcccccattt gtaccatcga tttccagcac gaaccactcg ag 352

<210> 1909
<211> 261
<212> DNA
<213> Xenopus sp.

<400> 1909
gaattcggac tactacaggt gcttctgact attatggcta tgacgattac tatgattatt 60
atggctacga ttaccataat taccgtggtg gatatgatga tcctttctat ggttacgaag 120

actttcaagt cggagctaga ggcaggggtg gtagaggagc aaggggtgct gctccatcca 180
gaggtcgcgg ggctgttcct ccccgtggca gagccggtta ttcacagaga ggaggcccag 240
gatcagcaag aggtgctcga g 261

<210> 1910
<211> 408
<212> DNA
<213> Xenopus sp.

<400> 1910
gaattcggac tactacaggt ggtggttgca gcatggagct tgaagagttc gagcgtaata 60
attcccagag tcgcctactg agctctccgg taccggagat atgtcggact gaggactgct 120
gccttgggat agatgaggcc ggacggggac ccgtgttggg tcctatggtt tatggaatct 180
gctactgtcc tgtggcccga aagaaggacc ttcaagattc aaaggtggca gactccaaga 240
cactgagtga agctgatagg gaacgactgt ttgagaaatt aaatggttct tcagattaca 300
tcggctgggc cttgcatata ctgtcaccaa atatcatttc caccagcacg cagcagaggg 360
caaaatacaa cctgaatgct ttatcccatg acaccgcgaa gactcgag 408

<210> 1911
<211> 444
<212> DNA
<213> Xenopus sp.

<400> 1911
gaattcggac tactacaggt ggagtcagac accatggtga agattgcgtt cagttcgccc 60
ttcgcggcca aaaaacctag caaggacgtc gaggctttgg tggcagaaac ggatactgag 120
gttgcagctc aagggactga aaattcaact ggaagatgcc tgcttacact gttgggcctt 180
gctttcatct tagctggact aatagttggt ggtgcttgta tctataaata ctttatgccc 240
aggcacaagc tctatgaagg agtaatgtct tattccgagc agcatgatct tgttgaggag 300
ccttattacc ttcctgtctc agaagaagcc gatatccgag aagatgacaa tattgcactt 360
ataactgttc ctgtaccaaa ctttgcagaa agtgatccag cagcgatact tcatgatttt 420
gataaacttc tgacagacct cgag 444

<210> 1912
<211> 349
<212> DNA
<213> Xenopus sp.

<400> 1912
gaattcggac tactacaggt gcgagatata gctgaaaatg cggtaccttа gtgcagctgg 60
gctgcttgtg ctctctgtat gtcttctatt tcttactcca gggtctgccg acacaggact 120
tggtcgagga tttggggatc atatccattg gagaactctg gatgatggga agaaggaagc 180
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agcattaaag ccaaaatttg cagagagcaa ggagatttca gaactgtcgc ataactttgt 300
gatggttaac ttggaggatg aggaggaacc aaaagatgat gccctcgag 349

<210> 1913
<211> 282
<212> DNA
<213> Xenopus sp.

<400> 1913
gaattcggac tactacaggt gtgagaagtc aacatggcag agttgtggct atcactttct 60
tgcatgttct ccttgcttct actgacaaat tcatctccac ttaccttcca ggaaagaatg 120
ctccttaaag ccttggggct gaacaccaga ccaaacccca ttgctccagc tcctgtacct 180
aaatctttaa gagacatttt tgagaagggg ataaaccagg acaatccctg catgatggaa 240
ggtttcggag tacctggaaa tattgtccgc attccactcg ag 282

<210> 1914
<211> 450

<212> DNA
<213> Xenopus sp.

<400> 1914
gaattcccat agcaacaaac agtagaggat gttgcagttt cgacctctca gaaacgcaca 60
agttctgcaa cactgaacca gccagctagc actccacagg gcccaaagtc tcttatggaa 120
gtaaacaatg acagaatgca tctgatttta ggcatcagca ttcagttctt ctgtgcacca 180
cgacctgagg aacccattga acatgtgact gcgtgtcttc aggctttaca tatactgctg 240
gaggctccat ttccagaag tcatattgca gaagaccagg ttattggagt ggagcttttg 300
aatgtcctcc atcgccttct cttaacttgg gatacctctt ctgtgcaact gctggtgact 360
actgtagttc aacagatagt gagggctgct caacacaata tacaggagca aagaaatgct 420
caaaataaag atgacacaag cgaactcgag 450

<210> 1915
<211> 125
<212> DNA
<213> Xenopus sp.

<400> 1915
gaattcccat agcaacaaac agtaattccc atagcaacaa acagtagttc ccatagcaac 60
aaacagtaat tcccatagca acaaacagta attcccatag caacaaacag tatggcggtc 120
tcgag 125

<210> 1916
<211> 461
<212> DNA
<213> Xenopus sp.

<400> 1916
gaattcccat agcaacaaac agtaggagaa agaagtgcaa cactaacaag accaactgac 60
agatcgttgg gccctattcc aatatcgcca actcaaggat gaagtgcatt gttctcctgc 120
tggtttgctt ctctatcgga tgggttcact ccaaccccac aaaaaaagtt aacattgcaa 180
aatttggaga agcctcacag agctcagatt acagacctga gtacaatgct gctgctgcta 240
tcgatggtga tagagactca aatatgatgg cgggttcatg ctcccttact ggtaacgaca 300
agccatcttg gtggcagttg aacctaaagc acaggtacaa agtggagaag gtggtgatag 360
tgaacagagg agactgctgc agtgagcgcc ttttgggagc ccagatccgt gttggattca 420
cagccaatct gaagaaccca ctatgtggca cccacctcga g 461

<210> 1917
<211> 446
<212> DNA
<213> Xenopus sp.

<400> 1917
gaattcccat agcaacaaac agtagggtaa ccaaggcacg gaagtctggg gaatgaaagt 60
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tttatcatta aacaaattgt cagacgaaca ctattacaaa cgtggactaa agaagcagaa 180
acgtgacttt tctttttgaa gcccagcctg caatgaagca tcaacatatt ctagttttat 240
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catttatata tttgaagtca aattgcgagg aggtgacaaa agaagaaaca gaacttcaaa 360
aagaagtgaa aacaatcttc aatgaagtag acagttcaat tccgaagatc agcttcactc 420
actttgataa cacaacagtc ctcgag 446

<210> 1918
<211> 261
<212> DNA
<213> Xenopus sp.

<400> 1918
gaattcccat agcaacaaac agtacttggc ggtctcgagc ctttcaggca gttcccagac 60

atcttcagtt ccgccagcgt gtgaatattc tgaaccaaga acttagcaga gggtccctcg 120
ggggagttgg ataaccacat atacaggtcc tgcttcttct tggcttcaaa atagatgcac 180
ttattacagt tcttcatttc acagacctca tttaccacaa acagcttgtc cttacggtcc 240
attttcgttt ctgctctcga g 261

<210> 1919
<211> 383
<212> DNA
<213> Xenopus sp.

<400> 1919
gaattcccat agcaacaaac agtagagagg gaccacattt actcccattt actcctctgg 60
ctgattcatc tacctgtgac tttaaggaaa gagcaagttc tccataagga aggaacatgg 120
agcctctccc acttctctca ctgttcctat tggcagttgt ccattttgag ccgggcaaat 180
ctcaagaggg agttcagagc cgcattgttg gaggacacga tgcttcaaag ggaatgttcc 240
cgtggcaggt cagcctgagg taccaaaata aacacgcgtg tggtgcgact ctcatcagct 300
caaactatat cctgacagct gcacactgct tcccctcaga ccacataatg agtgattact 360
ccgtaaacct gggggtcctc gag 383

<210> 1920
<211> 478
<212> DNA
<213> Xenopus sp.

<400> 1920
gaattcccat agcaacaaac agtagccaga caagttgggc tcaggttgta cagacaaaat 60
ggcagagaaa gggtcttcgg ggatggtgac cttcattgtg tttgggaata ttgttatatt 120
gctctctggc cttgcgctgt ttgcagagac aatctgggca accaccgacc cctacaaggt 180
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cgcctcctgt atcacttcct tcacacacag agattacatg atcaactcca atgtgattaa 420
gggtcagatg ttgacgtact actcagacag cagcaccccc cagggaaggg agctcgag 478

<210> 1921
<211> 360
<212> DNA
<213> Xenopus sp.

<400> 1921
gaattcccat agcaacaaac agtacccata gcaacaaaca gtaacaaaca gtagtcaaaa 60
atgcttgatc tggaaaatct gagcggtaaa attaatttcc ttacttgagc tacactattg 120
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acttgttaga ttaaggagat gcaggatctt ccaactgcac aggcattgtt catgatattc 300
tgctgtgtct gaaactgttg cattcatgat ctccatttta tacgagttct tatgctcgag 360

<210> 1922
<211> 335
<212> DNA
<213> Xenopus sp.

<400> 1922
gaattcccat agcaacaaac agtacagtga gcatgtctga tcaggaagcg aaaccatcta 60
gcgaggatct aggagacaaa aaagatggag gggattatat caaactcaaa gtcattggac 120
aggacagcag tgaaattcac ttcaaggtag agatgacaac gcatctcaaa aagctgaaag 180
agtcatactg tcagagacag ggcgttccaa tgaattctct caggtttttg tttgaagggc 240
aaagaatctc agatcaccag actcctaagg agctcggaat ggaggaagag gatgttattg 300
aagtttatca ggaacagact gtgggtccac tcgag 335

<210> 1923
<211> 221
<212> DNA
<213> Xenopus sp.

<400> 1923
gaattcccat agcaacaaac agtacgatca ggagaaagaa gcgattattc ggcgagcggt 60
tcgagctttt cccgatttcc cttcccctgg gatctgtttt agagatatta ctcctgtcct 120
taaagaccct ttggctttct gctctgccat tgatctcttc gagagacacc tgagggcaaa 180
ttttccaaag attgatgtta ttgctgggct tgattctcga g 221

<210> 1924
<211> 358
<212> DNA
<213> Xenopus sp.

<400> 1924
gaattcccat agcaacaaac agtacaaaaa gttcttatgg gaagcaaaac aaaaaactgt 60
atactgtatt ataataaaaa aaaaaagagg ttattttggg acagtatagt gttaaaataa 120
gcaaaataag atttcagtat taaacttgag atttctagta ttttttattt gacaaatgac 180
tttaatcttt tcattcctgg ttatatggtt gccctccccc cccttaccaa agtgttatat 240
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gagaggggtc ggcaagtggg gttcttatcc tactaaccca gtgcacagac ccctcgag 358

<210> 1925
<211> 175
<212> DNA
<213> Xenopus sp.

<400> 1925
gaattcccat agcaacaaac agtaagcggc tgcagcttta gtggaggagg agacgagaag 60
atatcgacct acgaagaact acctgagtta tttgcccacc ccagactatt ccgcatttga 120
gactgaaatc atgaggaacg agtttgaaag actttcggcg cgccagcccc tcgag 175

<210> 1926
<211> 472
<212> DNA
<213> Xenopus sp.

<400> 1926
gaattcccat agcaacaaac agtactcagg gaggacagaa gtgactcaga aaatgaagga 60
cgattctgga gttcggtgtt accagtccat cattatcttc ggcaatgtgg tcatggggct 120
ctgtggtttg gccctggcgg ccgagtgcat cttctttgtg tcagaccaga gtggcatcta 180
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caggagaatg ctgatggtgt atctcatcct gatgttcatt gtgtatgcct tcgaagtggc 360
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gatgctagaa ctttaccaaa atcccaaccc aatcaacaat gacaacctcg ag 472

<210> 1927
<211> 530
<212> DNA
<213> Xenopus sp.

<400> 1927
gaattcccat agcaacaaac agtataacgg ggacctctgc ttcagttggg ttaaatcatg 60
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acagagaaga ggatcgtgtt catcatgact ctcagcttag tggtaaagtt catgatgatg 180
cacaaaattt tgactatgac catgatgctt ttctgggtgc cgaggatgca aaaacatttg 240
atcagctaac acctgaagag agcaaggaga gactgggaat gattgtaggt aagatagact 300

tggataatga tgggtatgtg acggaggggg aactgactgc atggatcaag aaagcccaaa 360
agaagtatgt gtacgacaac gttgagcggc agtggcagga gtttgacctg agccaggatg 420
gactcgtatc gtgggatgag tacagaaatg tcacctatgg cacttacctg gatgatcagg 480
atccagacaa tagcttcaat tacaaacaaa tgatgatgaa gaggctcgag 530

<210> 1928
<211> 479
<212> DNA
<213> Xenopus sp.

<400> 1928
gaattcccat agcaacaaac agtaggaaga tgccgctcgt tacagctctg aggctcgggg 60
cagcgctaat gtgcctcgtc ctggtggcgc aagtccagag tcaaggatgc aaatgtagaa 120
cgcactacat gggtaaatgc gataacagcg gtgcatcttc agattgtcag tgtaccctca 180
ccatagggcc cgattcccaa cctgtgaact gctcaaaatt aattcctaaa tgttggctga 240
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ttgacaacga tggactgtac aatccagagt gtgatactaa tggggtgttt agggcccggc 360
agtgcaacaa tactgacacc tgctggtgtg tcaataccgc cggggtcaga agaaccgaca 420
aaggggacaa aaactggaag tgcccggagc tggtcagaac taactgggtg attctcgag 479

<210> 1929
<211> 345
<212> DNA
<213> Xenopus sp.

<400> 1929
gaattcccat agcaacaaac agtaatcagc atgcagctcc tgtggatcac cgctgtgcta 60
cttctcatct ctggtgccat agctcagaat acttccctgg cagatggggt tcttactcca 120
cttagtacat ctgtgataat tgcatttcca ggatgcaaag actccggaaa gactgttaac 180
ctgatcgtag caaatggcac aactactgta caaaatattt ccctccaggt accacagtgc 240
cgccttaaac gagatgttgt tgtgactaat aattcacagt ctggtaatgt gcagactgtg 300
aatgtgggct atcaaataca aaacctacaa ccaggtgacc tcgag 345

<210> 1930
<211> 324
<212> DNA
<213> Xenopus sp.

<400> 1930
gaattcccat agcaacaaac agtagaagaa cagtacgaag tgtgtgcttc tgggaacaga 60
gacatcatga gtctacagtg gacggctgtc gcaacctttc tgtatgtgga agtgtttta 120
gtgttgctgc tgtgcattcc cttcatttcc cccacaagat ggcagaaaat cttcaaatct 180
cgcctggtcc aattgttagt gtcatatggg aacacgttct tcctcgtcct gatagtgatt 240
ctggtgctgt tattactaga tgcacttcgg gaaatccagg aatatggagt cggggagcag 300
gtggatctta agaataacct cgag 324

<210> 1931
<211> 328
<212> DNA
<213> Xenopus sp.

<400> 1931
gaattcccat agcaacaaac agtacaagag cgtgtgtctt tggcttattg tcaccatggt 60
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ggctctggag gccgtgttct gcaaatatgg acgtgtggtt gaagttcttt taatgaaaga 180
cagagagaca aacaagtcaa gaggctttgc ctttgttacg tttgaaagcc ctgcggatgc 240
caaagatgca gctagagaat tgaatggaaa ggcactggat ggcaaaccta ttaaggttga 300
gcaagcaaca aaaccatctg aactcgag 328

<210> 1932

<211> 403
<212> DNA
<213> Xenopus sp.

<400> 1932
gaattcccat agcaacaaac agtactggga agggtttagt aacatcagcc ggcatatcgc 60
tacgaatatg agacgctata gcttcgtccc ttacttttac ccggcgtact ttttcatgct 120
actgataatg tgcgttttca ctccagtaaa aagtgaaata attaccttag agagtggcaa 180
tatagatgac attttaagaa atgctgatgt tgctttagtg aatttctatg ctgactggtg 240
ccgattcagt caaatgctgc accctatatt tgaagaagca tctaatataa tacaagaaga 300
atatcctgat aaaaataaag ttgtttttgc aagagtggac tgtgatcaac actctgaaat 360
agcacaaaga tacaggatca gtaaatatcc tacactactc gag 403

<210> 1933
<211> 280
<212> DNA
<213> Xenopus sp.

<400> 1933
gaattcccat agcaacaaca gtaacaacac aagccctaca ggaagagaga tgggtacagt 60
ttggccctgg atatgcctag ttttacaggt ttcttggact ttccccatgc actttaggaa 120
gcataatgaa ctcacattgc tgagaaacaa agtggaaagc catggagatc ccaataactt 180
catcaaacaa agcagagcag atactccctt taaggaaaga gtgggcacct tcccggagat 240
gactggtggg agacgtagca acagacagaa cacactcgag 280

<210> 1934
<211> 338
<212> DNA
<213> Xenopus sp.

<400> 1934
gaattcccat agcaacaaac agtaaagaat aggaggcagc actgacactg gtaaacacat 60
caaagagcat gattactaca ctcctactgg agagtttcgt gtggatagag aaggatcccc 120
cgttctgctc aattgcctta tgtacgagat gtgctattat cgctttggtc aagtctacac 180
agaagccaaa cgccctccag gttatgacag agtgagaaat gcagaaatcg gaaataaaga 240
ttttgagctt gatgttctgg aggaagctta caccacagaa cactggctgg tcagaatata 300
taaagtaaaa gacctggata atcgcgggtt atctcgag 338

<210> 1935
<211> 118
<212> DNA
<213> Xenopus sp.

<400> 1935
gaattcccat agcaacaaac agtagcttgg cggtctcgag gtggtgtgtg tgtttaggga 60
ttttttgttt tttgtttttg ccagaatgcg gagatttttt tgttttgttt ttctcgag 118

<210> 1936
<211> 541
<212> DNA
<213> Xenopus sp.

<400> 1936
gaattcccat agcaacaaac agtacatgac tggagtcttc ctgctcctct gcgcctccat 60
gctggccgcc gccgccgcct ttgacattgg attatccacc aagtgcgttc ccattcccaa 120
agagatggcc atgtgcaatg acgtcggcta ctcggagatg cggttgccaa acctgttggg 180
acacactaac atggcagaag tcgtgcccaa gtcagcagag tggcagaacc tcctacagac 240
cggctgccac ccctatgcca ggaccttcct atgctcccta ttcgccccag tctgcctgga 300
cacgttcatc cagccctgcc gcagcatgtg tgttgctgta agaaacagtt gtgctccagt 360
tctggcatgt catgggcact cctggcctaa gagcttagac tgtgacaggt tcccagctgg 420

ggaagacatg tgtctggaca ctctcagcaa agagtatcag tatgcctata aagaactgcc 480
aaagccaagc tgccagggct gcccacttat tgaagaattc ttttcacaca agacactcga 540
g 541

<210> 1937
<211> 411
<212> DNA
<213> Xenopus sp.

<400> 1937
gaattcccat agcaacaaac agtaattccc atagcaacaa acagtaggct ctgtaggttc 60
tccgctatca tggctacgtc agcactgggc aagatggcgg tgcccatgca gcaggagcag 120
ctccgtgtgg caaccgggct tcgttccctt ctctttctgt ggctgctgag tttagtggga 180
gcaaatgaag ggcaggcggc acaggacacc ccacaccggc ggttcgagta taaatacagc 240
ttcaaaggtc cttacctagt gcagagcgat ggcactgttc ctttctggag ccactctggc 300
aatgcaattc ctagcgctga tcagattagg ataacgccat ctttaaaaag ccagaaagga 360
tcggtatgga cgaaaacttt ggcaaacttt cagaactggg aagtcctcga g 411

<210> 1938
<211> 353
<212> DNA
<213> Xenopus sp.

<400> 1938
gaattcccat agcaacaaac agtatgcacg tgcaagaggc cttatccgga tccagaagat 60
gaggtccaag atgaaatgat ccagtgtata gtctgtgagg actggttcca tggaaggcac 120
cttggcgcag ttccaccgga gcatatggac tttcaggaga tgatatgcca gatctgcatg 180
gaccgatgtt catttctttg ggcctatgct gcatatatag caattcctcc tgttacaaaa 240
ataacatctg ctgagatgga tcctgaaagc aaggatatca aggttgatga tagtctggct 300
gagggtattc taggagaaga tgggccaaac attaaaactg ggaaaacctc gag 353

<210> 1939
<211> 295
<212> DNA
<213> Xenopus sp.

<400> 1939
gaattcccat agcaacaaac agtaagggca cacacctatt atgcaccact ccattcttca 60
tcatcagcgg cctttcaatt ctcgtgaaga tgaccctaca catggatttg acactctgag 120
tctggagagt tctgatagtt tagacactag tgtttctaca ggaaactcgg catgttctcc 180
tgataacatg tcaagtgcta gtggtttaga catgctgaag atagaagaga tggagagaat 240
gcttctagaa gctcatgcag agagatccag gcttgtagga tccagtgagc tcgag 295

<210> 1940
<211> 361
<212> DNA
<213> Xenopus sp.

<400> 1940
gaattcccat agcaacaaac agtactccga atacactgcc atctttttat ccaccatact 60
cacctgccca tccaagcttg cccaatgaca ttactatccc ctatttcccc aatcagatgt 120
ttccaaaccc cagcacagaa aaacccaaca gcactggtct aaacaacagg tttgggacca 180
tattatcccc accacggcct gtgggatttt ctcaaaccac cttccctctc ctcccagaca 240
tgccgccaat gcacatagcc aacccctccc atctgtccaa cttcaactta acgtccctct 300
tccctgaaat tgccacgact cttcccactg atggctctgc catgtcaccc ctactctcga 360
g 361

<210> 1941
<211> 287
<212> DNA

<213> Xenopus sp.

<400> 1941
gaattcccat agcaacaaac agtagtccac agtaggtcgg gtgctgtctg ggtgcaagca 60
cctttgggca gggcaagggg tgcagtggtt aaggcgacca gcgggcagga ctctgtgtgg 120
atacagcagt ttaattttca gtggcctggg aagagaccca tcagaaaggc agttgcttca 180
gcagtgcaca tcttttcact catcttcagt acgtaatgga cttgatgaat tctttgatga 240
tcccaagaac tggggagaaa aatctgtaaa atctggtcaa gctcgag 287

<210> 1942
<211> 349
<212> DNA
<213> Xenopus sp.

<400> 1942
gaattcccat agcaacaaac agtaaacaga catggcgaag catcatccag atctgatttt 60
ttgcagaaaa caggccggtg tggccactgg aagactctgt gaaaaatgtg atggcaagtg 120
tgtaatttgt gactcctatg tgcgtccatg cacccttgtg cgtatatgtg atgaatgcaa 180
ctacggttct taccaagggc gctgtgtgat ttgcggaggg ccaggggttt cagatgctta 240
ttactgcaaa gaatgcacca ttcaggagaa agatagagat ggttgtccta aaattgtaaa 300
tttaggcagc tccaaaacag atctctttta cgaacggaag atgctcgag 349

<210> 1943
<211> 469
<212> DNA
<213> Xenopus sp.

<400> 1943
gaattcccat agcaacaaac agtagaggga ttcctcattc ctcattcagt aattcgaatt 60
tgctgcggtt ctgctgcctt ccgaaagcat gttgcgcctc gtcctcgctg ccctggtagt 120
tgcagtaact tcagctgact tcactgtatt gaagtcacca caaaatcaaa tattccaaga 180
gggaaattgg cctgttccgg ctgacaggat tccagatatc atctcgttgt caatgggatt 240
ttccgtggaa gaggatctgc cctggcctgg cttaggagtg ggcaaccttt tccagcgctc 300
tcgtgctaca gtcctcgtga cagttactgg agtgaataag ctcccgcttg ctgccaatgg 360
actctcctat cctgtggaaa atgctgttcc atacagtgtt gacagtgttg taaattctgt 420
tcattctgtg ttttctgaag aaatgccagt aattttgcag cagctcgag 469

<210> 1944
<211> 489
<212> DNA
<213> Xenopus sp.

<400> 1944
gaattcggac tactacaggt ggacaaaatg gcgaccagcg gctgcatgaa agtcaccaag 60
tacttcctgt tcctgttcaa cctcctgttc tttattcttg gtgccgtgat ccttggattt 120
ggaatatgga tcctcgtgga caaaaccagc tttatttcaa tcctgcagac ctcctcttgg 180
tacctgagaa caggctccta cattctcatc gctgttgggg gtttaacaat ggtgatggga 240
ttcctgggct gcttgggagc agtgaatgag atccgctgcc tgttgggcct gtatttcacc 300
ttcgtgctca ttatcctgat cgctcaagtt gcagccggaa ttctgattta cctacagcga 360
gatgcactaa agtccgagat gtcctccatc atccataaac tgattgtcac atatgactat 420
gaagatggaa agaacacgag ctccgagacc acctgggatt atatccagag aaatctccat 480
gtgctcgag 489

<210> 1945
<211> 281
<212> DNA
<213> Xenopus sp.

<400> 1945
gaattcggac tactacaggt gcaggtttag aagagggtca tttacattta catattacag 60

ttcgttatct tatgaacaaa gtggattctg gttcctgaag actgaacttt cctatgagtg 120
caacatttgt acttatattc cttctgatcc tttccctggt caggatccct gcagcgtctc 180
tgttacactc ctcctcccta tcctctgtat ccttgatgga gaaaccagtt acaaggaggg 240
acgtttcatc tctgaattct cattcattcc tgaacctcga g 281

<210> 1946
<211> 437
<212> DNA
<213> Xenopus sp.

<400> 1946
gaattcggac tactacaggt gacaatttgt aggggtgagg gggcctcaat ttgtgtgcat 60
gattttcgat ttataaacca tttcattgtg taaaaccttc aaaatggcag aacgggcaat 120
ctttcctgtt tccgtttgca ttccgatgaa tgcaacaatt taactggtgg ccatgggttt 180
ctacccaggt gcaaatttgc ccagtattga taaatgacct ccagtgtgtg tatgttgtta 240
cattttacaa atgtatgact ttttggcatt tgaaatcgat agagagattt tgcaatcttt 300
aaggacaccc taatcccccc cacctcctct ttttattaca ttatgtttgt ggaattagga 360
ttttaaaaga taaaccttat gacccaccat cccatcttca cccaaagcca ttaggcaaat 420
cacatccatc cctcgag 437

<210> 1947
<211> 270
<212> DNA
<213> Xenopus sp.

<400> 1947
gaattcggac tactacaggt gatgtagata agaaataggt gggacacatt ccaagatacc 60
atcttgagag ggtcttttac atttcaaaga ggaactgttt gtacagttgt tgttggtaaa 120
agggacatct aaagaaatta gctggttttc ctgtttaact tgtcatcagc caatcagagc 180
cattctccat ttgggtcaat ggcctagaaa caatataaca atggagttgg tttttggttg 240
agagagagat tgggaaggag gagactcgag 270

<210> 1948
<211> 333
<212> DNA
<213> Xenopus sp.

<400> 1948
gaattcggac tactacaggt gttttagtgc cttgagggct gccctacaga gcattgattg 60
gggcattagg ttttcagcta aaaacacaga acagaaatgg ttgtccttta aaatgatatt 120
aaatcattac tgttctcaat ttattccctt aaggactaaa cgtagaagct ctaagaatca 180
tcctgtgtgg cttaatacag aggtaaagat gttaatggga aagaagagaa aggcatttaa 240
aaactacaaa tctgtaggga cagaagctgc atttaatgaa tataaacact gtaataaatg 300
ttgtaaatca gcaatccgga aggccagctc gag 333

<210> 1949
<211> 284
<212> DNA
<213> Xenopus sp.

<400> 1949
gaattcggac tactacaggt gagtgacttt agacatttaa tgtgagtata gtgagtaagt 60
gtaagtctta aagctcattt atagctgaga gaggagtgtg agtgcagggg gtgtatgact 120
gtgcgtagtg aggggacatc acattcatta ccctgagtat ctggagaggg taactgactc 180
ggcagcatca caaggatgtg gttcatctac gtcctcagct ggctgtccct gtttgttcag 240
gtggcctttg tcactctggc cattgctgcc ggaccattct cgag 284

<210> 1950
<211> 536
<212> DNA

<213> Xenopus sp.

<400> 1950
gaattcggga ctactacagg tgcgctcctt ccttcctgct gcctcctgtg tgggtgaggt 60
tcgctgtccg gggcctgcgc tacattgtgt aacctcccgc cctgttgcgc ccgcagcgaa 120
gtcctcccgc ctcaggcaag tgaaagccgc gtcccgagtt gtcccgcagt gattatgcat 180
aaggagcacc tggcccagga tgagaatagt aatccccgcg aggccccggg agccggaaga 240
aggacaaact gagtcccagc gagcaggaca tgaaccacat taacaagagc aaagcgaaga 300
gcggctcatg ggaggctaat ggctttgggc cggacccaga gatcgagaca ttagccggcc 360
gtacagaaga cagtgtccct ctcagccctt ccaactccct caacctgcgt cacctgagag 420
gctgcgagag agacccatcc gggcgcccac accaacgcta tccttccagc catcaccact 480
cctacagcta ctcctcccat catcactacc gacccttgta ctccagctac ctcgag 536

<210> 1951
<211> 426
<212> DNA
<213> Xenopus sp.

<400> 1951
gaattggact actacaggtg agcctggaga ccgcgatcag acatgtgttt tctacacctg 60
ctctcactat tatgtgtgtg gctggtggct ccatctccag ccactgggga taatcgatac 120
aaacaagggg agccagtgat gatgtatgta aataaagtgg gcccatatca caatccacaa 180
gagacttatc actactacca acttccagta tgtgctccag agaagatccg cctcaagagc 240
ttaacactcg gagaagtgtt ggatggagat cgcatggcag agtccttgta ccgaattgca 300
ttccgacaaa atgcggaaag agaaactctt tgtgagatga aattatcaat cagccaagta 360
gaggagctgc gcacagctat cgaagaattg tattattttg agtttatgct agacgaccta 420
ctcgag 426

<210> 1952
<211> 324
<212> DNA
<213> Xenopus sp.

<400> 1952
gaattcggac tactacaggt ggcaaataat aagcatcgtc ttcttcttct ttttcgtcat 60
tgccctttt gctagcaggg caccgttagc gtcctttgct tactgctgct aattgtgcca 120
aggaacaaag taatttcgt gcaataccca ccggaggctc cgctcccaat atctcatcaa 180
gacagagatc gtcatgaagg ttcgcctcaa gtgctggaat ggtgttgcct cctggcagtg 240
ggtggccaac gatgacaact gtgggatatg tcgtatggca tttaatgggt gctgtccaga 300
atgtaaaatc ccaggaaact cgag 324

<210> 1953
<211> 360
<212> DNA
<213> Xenopus sp.

<400> 1953
gaattcggac tactacaggt gcagaaagtc aactctacta ccactggcat gtctgcaacc 60
actagttata catatggagt cagctctact accagcagtc cagtgaattt gcctgtttac 120
attactaaga aggaacccga ccggcctgtt gaatatagtg agatctgtct ccatcacatc 180
tggaagtact gcaggcttgg gaacaaatgc agtgagatgc attatcattt gccctaccgc 240
tggcaggaga aactggacaa caagtggcaa gacgctacca gcatggatgc aatggagagg 300
gcattctgcc aaccgaagaa cgacagttac ttggggatca gttttgcaac agacctcgag 360

<210> 1954
<211> 356
<212> DNA
<213> Xenopus sp.

<400> 1954

gaattcggac tactacaggt ggaggaccaa gaagtgtgga agtgttctag agctgcttta 60
tctagccaat cagaatgaac ggccagatgc tgaatggttt ccacgatgag ctcatcgacg 120
aaggcagctt tctctttacc tcagagtcag tcggggaggg gcaccctgat aaaatctgtg 180
accagatcag tgatgcagtc cttgatgctc acttgaaaca agacccagaa gccaaagtcg 240
cgtgtgaaac tgtggccaag actggaatga ttcttcttgc tggtgagatc acctccaggg 300
catctgtgga ttaccaaaaa attgtacgag acacaatcaa atacattgac ctcgag 356

<210> 1955
<211> 384
<212> DNA
<213> Xenopus sp.

<400> 1955
gaattcggac tactacaggt ggagggaggt tccttcatca gaatggatat tgtactgctc 60
ctctttctct catcctcct ccctgggatc tgcacttacg cggtcccccg taaggacccc 120
actctacgct ttgtggctct cggagactgg ggggggctgc cgcttccccc ctatactaca 180
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tttattctgt ctttgggtga caatttctac tacgacggcg tcaccgatgt gtcagacccc 300
agatttaaga tcactttcga gtcggtgtac agctccgagt ccctcatcaa acacccttgg 360
tatatactgg cggggactct cgag 384

<210> 1956
<211> 333
<212> DNA
<213> Xenopus sp.

<400> 1956
gaattcggac tactacaggt gcaaagctcc caaagttaaa aaagctggag ctcagtgaca 60
atcgcatctc tggaggatta gaggtactgg cagaaaggac cccaaatttg acacacctga 120
acctcagtgg gaacaagata aaagagatca acaccctaga gcctcttaag aagctacctc 180
atctcatgag cctggacctc tttaactgtg aggtgactat gctaaacaac tatagggaga 240
gtgtgtttga gcttctcccc cagctcacct ttctagatgg ctttgatgca gatgaccagg 300
aggctccaga ttctgaccca gaggcacctc gag 333

<210> 1957
<211> 297
<212> DNA
<213> Xenopus sp.

<400> 1957
gaattcggac tactacaggt gcgaaaacct ataattccag agcgtaaata ccagttacta 60
tctaagattg aggatgggga aagtaacatt cctctgcctt ctttgccccc ctcctcttcc 120
actgagaaag tacctgtggt gaaagctaaa gccacttcta tcatcatgaa ctctcttatg 180
acaaagcata cacaggagag cattcaacgc ttcgaactgc aggctggcct cagggatgct 240
gggtatatgc cacacaaggg cctcactgct gaagagacca aataccatcc cctcgag 297

<210> 1958
<211> 256
<212> DNA
<213> Xenopus sp.

<400> 1958
gaattcggac tactacaggt gattcattgc aaaattgccc tcctctggat cctgggaaca 60
tgaaatataa ctaaagctat aataaatgca cattgtatca gtgctacaca atttgttggg 120
ccctctaaaa gtacatttta ataataataa ttgtacactt gagaacaagc aaatttacac 180
acacagttca aacttttaa gtgttcagaa ttgtttcctg tggtgtatct gattattata 240
atatagagag ctcgag 256

<210> 1959
<211> 329

<212> DNA
<213> Xenopus sp.

<400> 1959
gaattcggac tactacaggt gttttaacag aaaagaaaga aggcgacgaa ggaggtggta 60
ggattgaatg gttccatatc aaagatggta gttcttccag ttggcccact atgatatgca 120
gctttgcaca agaaaatgag gaagcagaag atggagggga tgattctcag agtgatgaag 180
agcaagaact aaatgggtca aatgaggaca gtggacatct ggtccacaat tttgtaatgg 240
ataaacagga tactgaaatg aaagaaaagc atggaaatga aacacagggg atgctggaac 300
tgggcaagga agaaagacag accctcgag 329

<210> 1960
<211> 396
<212> DNA
<213> Xenopus sp.

<400> 1960
gaattcggac tactacaggt gcttgattcc aaaatgacca agaagcgaag gaataacgga 60
cgtgccaaga agggccgcgg ccatgtccag cccatccgtt gcacaaactg tgctcgctgc 120
gtcccaaagg acaaggccat caagaaattt gtcatcagga acattgtgga agctgcagct 180
gtcagggata tctctgaagc cagtgtcttt gattcatatg cacttcccaa gctctatgtg 240
aaacttcatt actgcgtcag ctgtgcaatc cacagcaagg tggtcagaaa ccgctcccgc 300
gaagctcgta aggaccggac accacctccc aggttcaggc ctgcgggtgt acctcagaga 360
gcacctccca agccaatgta agagacgtgg ctcgag 396

<210> 1961
<211> 528
<212> DNA
<213> Xenopus sp.

<400> 1961
gaattcggac tactacaggt gcaggaaggc tggtaaattg atttctctaa gtgagcaaaa 60
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agccttccag tatgtcaagg ataatggagg catcgattct gaagactcgt acccatacac 180
tgctaaggat gaccaggaat gtcactatga tccaaactac aattcagcaa acgacactgg 240
ttttgttgac gttccatctg gaagcgaaga agatctcatg aaggcagtag cttcagtggg 300
accagtttct gttgcagttg atgcaggaca tcaatccttc cagttttatc agtctggaat 360
ttattatgat cctgaatgca gcagtgaaga cctggatcat ggtgtacttg ttgtgggtta 420
cggctttgaa ggtgaagatg tggatgggaa gagatactgg atcgtcaaga acagctggag 480
tgagaaatgg ggcaacaatg gatacattaa gattgccaag gactcgag 528
<210> 1962
<211> 269
<212> DNA
<213> Xenopus sp.

<400> 1962
gaattcggac tactacaggt gataaatggg gttacagatg gtatttgcac tgcaaccacc 60
ccatttgtgc tcctgggaga tgtgcttgac tgtctgcctc tggcatattg tgacaagatc 120
ttcacgtttg tggaaaaaaa tgttggtacc tggaaatcta ataccttta ctcaggggaa 180
aaattacctc cttcggatgt gtaatgacct cttaagaaga ctatcaaaat ctcagaacac 240
ggttttctgc ggaaggattc tgtctcgag 269

<210> 1963
<211> 267
<212> DNA
<213> Xenopus sp.

<400> 1963
gaattcggac tactacaggt gtggaaattg ggtgacttga gcattgagct gaatagtgcc 60
ttctttactg ggatctatgg catgtggaat ctttatgtct ttgctctcat gttcctttat 120

gctccttcac acaagcacta tggagatggc cagtctaatg atggtgctgg aatgagcagt 180
ggagaggaac ttcagctgac aaccacaatc acccatatcg atggacctac tgagttgtat 240
cggctggctg gcagggaggc actcgag 267

<210> 1964
<211> 309
<212> DNA
<213> Xenopus sp.

<400> 1964
gaattcggac tactacaggt ggaccggaga ggggcgacgg agatatgaat aaccaaggcg 60
gggacgagat cggaaagctc tttgtcggtg gccttgactg gagcacgaca caggaaaccc 120
tgcgcagtta cttttctcag tatggagaag ttgtagactg cgtaataatg aaagataaaa 180
caacaaatca gtcaagaggc tttggctttg tcaaatttaa tgatcccaat tgtgtaggaa 240
ctgtcctagc cagcagaccg catacactgg atggccggaa tattgatcca aagccatgta 300
cccctcgag 309

<210> 1965
<211> 323
<212> DNA
<213> Xenopus sp.

<400> 1965
gaattcggac tactacaggt gctttggagg tcaaggaagg acatctgtgg tgcctgcttt 60
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acagacacct aagcagtgcc tctaatgctc tattttaaac ctaaaggcaa cttacacata 180
gttaatgctt taaagcagga gtccccaaac gccaggccgc ggacactcct gccctgggtc 240
gccgagccca gtgctcaaaa acgaggcacg ccaaatttta tgccagcgcg tccaaatttg 300
ctgccaaccc ctccgacctc gag 323

<210> 1966
<211> 535
<212> DNA
<213> Xenopus sp.

<400> 1966
gaattcggac tactacaggt gaagcttggc agctatggct ttgtttagcc atttccatgt 60
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tgagttcagc ctttccctgg ctgcgcaggt gagtacctgt gaggcaaatg gcagtgtcta 180
ctatgttggt gagtggtact tcctggactc ggaccactgc actcaatgtg agtgcaccac 240
agagggccca gcctgtgcta ggacagagtg cacagccttg ccaccagcct gcatgcgcgt 300
cagccactac cctacggact gttgccctcg ctgtgagaag attggctgtg aatacagagg 360
agaagtttat gagctgggag aacaatttca gccctcagaa tgtgaacagt gtacatgtga 420
cgtagacgga attgcccgct gcctggtagc agactgtgcc cctcctccat gcgttaaccc 480
ggtgtatgag aagggagagt gctgcccgcg atgtaaagat ggtccaaacc tcgag 535

<210> 1967
<211> 281
<212> DNA
<213> Xenopus sp.

<400> 1967
gaattcggac tactacaggt ggctaatagc ccaggaccac cttccctata ctaggaaaaa 60
gaaactcacc aaacgtacta atataacttg ttttaattgc tatcaaaaag gacatttagc 120
gcgccactgt ccagaaaatg aggacaagaa agaacaaaat tctcctagtt cttataaagt 180
tgttcctgac cggcctcatg cacataaccc aaacccgggg aaatcttacc gtagtacgga 240
gggccccccg ggaacctacc atttcatacc aaaccctcga g 281

<210> 1968
<211> 308

<212> DNA
<213> Xenopus sp.

<400> 1968
gaattcggac tactacaggt gaaggagtag gagggaaagt gaaaggaaat taacacgcag 60
tgattcctcg ttatcaaaga tgtcacggca ggattctagg caagatggca agaaaggctc 120
caccaaagaa agtaataaac gctctacatc tagtggaagg agcagttcag aatcgcctgt 180
cctctacaag gataaaaagg ctaagaaatc aaaacgcagc agatcacatt ctgtggagaa 240
atcgcaaagg tctggtaaga aggcaagccg caaacacaag tctaagaccc gatcaagatc 300
gtctcgag 308

<210> 1969
<211> 349
<212> DNA
<213> Xenopus sp.

<400> 1969
gaattcggac tactacaggt gcatgaagtt actgtttgct gctgcgctta tcgcgggctc 60
cgtgatcttc ttgctcttcc ctgggagctc agtggcagat gacaagaaga aagggccgaa 120
ggtgaccgat aaggtatact ttgatttaaa gatcggtgat gaggaagtag gaggtatagt 180
aatcggtctt tttggaaaaa ctgttcctaa gacagttgaa aactttgtaa ccttggcaac 240
cggagagaaa ggatatggtt acaaaggcag caagttccac cgtgtgatca aagaatttat 300
gatccaagga ggagattttc ctcgtggaga tggtactgaa ggactcgag 349

<210> 1970
<211> 319
<212> DNA
<213> Xenopus sp.

<400> 1970
gaattcggac tactacaggt gaaatacatt tgtgccattt tgtttgcttt gtaaattgta 60
attttatatt gtatttcctt cctgggattg tgtgtcaggg ttgcttttct gatccagtgt 120
aattaacatt caactgtaaa ttttcaatcc attgatgctc cgcctgcagg ctcctctttt 180
tacatgtccc tgcgggatgt ttttagagtg gcggcattca ctggcttgga tttccccatg 240
agaacacgta caatatctta ggtgtaacct tttaactctt tgttttgttt tctggggagg 300
gaatgggggа actctcgag 319

<210> 1971
<211> 302
<212> DNA
<213> Xenopus sp.

<400> 1971
gaattcggac tactacaggt gtggggctct tccgtggagt tatggctgtc aaagtgttca 60
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acatgcagct aaaggaaatg ctcagtgaaa gactacaaag tgaccgtcca actctcttaa 180
agaagcaact gaagggtcct ttcattctca tgctctcctg ggcattgtgt ttagggagct 240
ggcttggggc tgcagtagtt gtatatctgc tgtcagaaca tctacaccaa gttgggctcg 300
ag 302

<210> 1972
<211> 438
<212> DNA
<213> Xenopus sp.

<400> 1972
gaattcggac tactacaggt gaacccctga aaaactcttt gaaagtctca tctctccggt 60
tacaagcgat gcatttttcc gtgactactg ggaaaccaaa gtcctgcttc tccagggaag 120
ggatcccgcg tttaccgatt acttccagac ccttttccga ctgtcagacc taaagcacat 180
cgccgggggt gggatttact acgaaaggga cgtcaatgta ttcaaatgca gagacggcaa 240

gaaaatagcg ttgccaagac acgggaaagc cacttacctg catctcctca aagactttgg 300
cagcgggaag gccgctattc agttccatca gccccagagg tttaatgatg ccttgtggca 360
catcatggag aagttggagt gcttctttgg tgccttggtt ggaagtaacg tttacatcac 420
tccccgggac tcctcgag 438

<210> 1973
<211> 255
<212> DNA
<213> Xenopus sp.

<400> 1973
gaattcggac tactacaggt gataatctgt gtgtgcaaca gcgctgttat agtatctgtt 60
gctgtaccgg taattacggt tatcattcga agagccacta gatcctcctg agctagacac 120
cgaactggtg gtacttgttg agtgactatg gtccattgca gggcttgtag aattactatt 180
acttgtattt gtcccttcat cagttgtttt cttgaagaag ttgtgctgga gggcatagaa 240
aggggtggac tcgag 255

<210> 1974
<211> 410
<212> DNA
<213> Xenopus sp.

<400> 1974
gaattcggac tactacaggt ggggctttct tcaagggtgc ctggtccaat gttctccgaa 60
gaatgggtgg cgcctttgtt ctggtgttgt atgatgagct gaagaaagtc atgtaaactt 120
atctttcttg agatgtctgt gaccaggcat gctgtattct gtaacctacc ctggacattt 180
atggacattc taatttttt ttttttgtca aacacactta tttataaaat atatagctgg 240
taaacttatt agctggtgtt ttgggatcag ttctattaca tctcaccagc tttccacaat 300
aataaatcat tccctttaag tctcttgctg cttttaagag cctgcaactg tgcttccttg 360
caaggttttg gccctttggc agtgacagac tgattcaatg gagactcgag 410

<210> 1975
<211> 320
<212> DNA
<213> Xenopus sp.

<400> 1975
gaattcggac tactacaggt gaatacatct gtgccatcag agcctagcag tcctcagagc 60
agtacacgta caagtcgttc agcttctcct gacgatatac ttgaacgagt tgctgcagat 120
gttaaagaat atgagagaga gaatatcgac acatttgaag cctctgtgaa agccaaatat 180
aatctcatga ctgaacagaa taatggtgcg atgcagaaga aattattagc accagacatg 240
ttcacagaat ctgatgacat gtttgcagca tactttgata gtgctcgttt taaggctgct 300
ggaattggaa aagactcgag 320

<210> 1976
<211> 455
<212> DNA
<213> Xenopus sp.

<400> 1976
gaattcggac tactacaggt gagatgagct aatggatttt ggctatcctc aaaccacaga 60
cagcaaaatt ttacaagagt atatcactca agaaggtcat aaattagaaa ctggagcacc 120
ccgtccacct gccacagtaa caaatgctgt atcgtggaga tcagaaggca ttaaatatag 180
gaagaatgaa gttttcctgg atgtcataga atctgtgaat cttttggtga gtgcaaatgg 240
aaacgtgtta cgcagtgaga tagtagggtc catcaaaatg cgagtgtttc tttcaggaat 300
gcccgaactt cgtcttggat taaatgataa agttctattt gacaatactg ggcgtggaaa 360
gagcaaatct gtggaactgg aagatgtcaa gtttcaccaa tgtgtacgcc tgtcaagatt 420
cgaaaatgac aggacaattt ccttcattcc tcgag 455

<210> 1977

<211> 299
<212> DNA
<213> Xenopus sp.

<400> 1977
gaattcggac tactacaggt gaaaagtaca taagcaagtc gcttattgga tttgcttttc 60
cagttatgtt aagtattact gatgtgtaca ttgttcttaa tgcatgttaa aacatgcttc 120
ccttttgtaa aatatatggg ctttatttgg actctactgt tctacttttt aagatgtttg 180
tgtgtttttt tgtttttttt ctttgagtaa acataaagcc tgatttttgt attacttttt 240
agttgttgct cagttgtact ttatcaaata aatctgtaaa aacacagcgc tcactcgag 299

<210> 1978
<211> 435
<212> DNA
<213> Xenopus sp.

<400> 1978
gaattcggac tactacaggt ggaagctcag aaatagtaca cggtatcccg gagcggctct 60
gcagagaaca tggcggatgt actggattta cacgaggcgg gcggggagga cttcgctatg 120
gatgaagatg gggacgagag tatccacaaa ctgaaagaaa aggccaagaa aaggaagggc 180
agagggtttg gtgcagatga aggcaccaga acgaggatcc gggaagacta tgacagtgtg 240
gagcaggatg gagacgagcc ggggccccag agatctgtgg aaggctggat cctgtttgtg 300
accggggtac acgaggaggc cacagaggag gatatacacg ataaatttgg tgaatttggg 360
gagatcaaga acatccacct gaatctggac cgcaggacgg gcttcctaaa gggctacgcg 420
ctagtggacc tcgag 435

<210> 1979
<211> 478
<212> DNA
<213> Xenopus sp.

<400> 1979
gaattcggac tactacaggt gcgccgagag gccgtttata aaatgcagct ttttgtctga 60
gggcagagtc tgcacaccct agaggtgtct ggacaggaga ctgtttccca gatcaaggat 120
caaatctcct ctctggaggg aatctcttct gaggatcagg ttgttctcct tgctggctcc 180
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gtagttgcac ggctgttggg aggtaaagtc cacggctctc tcgctcgtgc cggaaaagtg 300
cgaggccaaa ctccaaaggt ggccaagcaa gagaagaaga aaaagaagac tggccgggcc 360
aagagacgca tgcagtataa cagacgcttc gtcaatgtcg tacccacctc tggcaagaag 420
aagggaccta atgccaactc ttaaatgatc agagttcaat aaacaactga aactcgag 478

<210> 1980
<211> 346
<212> DNA
<213> Xenopus sp.

<400> 1980
gaattcggac tactacaggt gaacagaggc gccatctgtt ctgcagataa ggacagtgtg 60
tatgagatgg aatcacactg aaatataatc ccagaaatag cagtgcccag ttgcatcatc 120
actctctgta catggggtta tgacttcaca gagatctttg ccccattaac cagatttaac 180
ccaacacttt gcgccaaatc ctacgcgagg gagaaaacca atctccttgc ttattactta 240
cctttgcctc cttatttaga tgagccgctg agaatgtaaa ataacattta tacataatat 300
tgatatatac tatggcccat ggtgttacat tgacccaacc ctcgag 346

<210> 1981
<211> 310
<212> DNA
<213> Xenopus sp.

<400> 1981

gaattcggac tactacaggt gtgataacgg cgcagctctc cactcaattt cagatactgc 60
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tttgtatctt tcactttcaa tagcacagcc ccctgcctgc cagttagctg ataggccgcc 240
atggggttta tgccacttca tacaatagga ccgggctgca caggctgact ttctaattgt 300
caagctcgag 310

<210> 1982
<211> 341
<212> DNA
<213> Xenopus sp.

<400> 1982
gaattcggac tactacaggt gcaaagagaa cgcgagcggc agaggcagag agagcgagag 60
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atagaagaag agcggcgaat agagcaggag cgcattcaca gggaaaggga ggagcttcgt 300
cgtcagcaag accgattacg ctatgaacag gatgcctcga g 341

<210> 1983
<211> 301
<212> DNA
<213> Xenopus sp.

<400> 1983
gaattcggac tactacaggt gcgcgctccc gcggagttag gcaatagggt ttgctggaga 60
gagcgattga gagttagatt tgctgcgggc gctttaggga ttcatttgtg tcccgagtgg 120
aactaacatg agactccccg ggaataagtg gctgggggca gcgctccttc tcgtgctaac 180
ggtctcgtgt agagtgcgga gcgacgaacc cactggaccc ccatcaactt caacagaaaa 240
aacaataaca agtgctcccg tgcaaccgac cgcaggcagc aatataacag acatcctcga 300
g 301

<210> 1984
<211> 304
<212> DNA
<213> Xenopus sp.

<400> 1984
gaattcggac tactacaggt gattgtatgt ccagcttcca actcgtgcct cagaggaaat 60
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caatctaaac agcaccagtg aaggctgcat tgagatatgt aagctgggat gcgaccgact 300
cgag 304

<210> 1985
<211> 474
<212> DNA
<213> Xenopus sp.

<400> 1985
gaattcggac tactacaggt ggtggataac tgtgtgttca aacgtggtga caaggagacc 60
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gcaaagtttg ttaatcttgg caagctggag gagaattctt ggcaacaaaa cacagcccca 180
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gttgtgttcg atgcagggtt ttttcgagtc gcaagccctg ccaaagttgc taacagtttt 420
agggcaaaat gcagttcttc ttggtcatcc cctactcccc agcccccact cgag 474

<210> 1986
<211> 347
<212> DNA
<213> Xenopus sp.

<400> 1986
gaattcggac tactacaggt gaaagacacc attagaaaag ccctggaaaa ctccaacgtt 60
gtcattaacc taatcggaaa agagtgggaa acaaagaatt ttagttatga agatgttttt 120
gtgaatattc cgagagatct tgcactgcta gcacgggagg ctggagtaga gaaattcatc 180
cacatgtccc atcttaacgc tgacctgaaa agcccatcaa agtatctgag gaataaggct 240
gttggagagg ccgctgtaag ggaggctttc ccagacgcaa tcatcatgaa gccttcagaa 300
atgtacggca gggaagacag attcttcaac cattatgcaa actcgag 347

<210> 1987
<211> 275
<212> DNA
<213> Xenopus sp.

<400> 1987
gaattcggac tactacaggt gaaaaaaaaa ctgcagcact cttacaagtt tctgtgctgc 60
atattgccaa taatgggtgc aacaacctcc tggatattaa tcctacaata tattttgttt 120
tgaacttcat gggtgtcaga aacctgctta tgcattccaa cctactgcag gtagggaaga 180
gtgcaaagtg cgtttgtttt acctagattt ctgaaatgtg ataatctcgg aatgtttttt 240
atttcacttt tattttatga ctgtgtaagc tcgag 275

<210> 1988
<211> 489
<212> DNA
<213> Xenopus sp.

<220>
<221> unsure
<222> (17)

<220>
<221> unsure
<222> (22)

<220>
<221> unsure
<222> (25)

<220>
<221> unsure
<222> (61)..(62)

<400> 1988
gaattcggac tacgacnggt gnaanaactc atacaggtga gaagccattc aagtgtgagt 60
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acacgtcaga taagccatat atctgcaaag tgtgtgataa atcctacact caccccagct 180
ccctaagaaa gcacatgaag gttcatgaat cacaagggtc tgattcttcc cctgccgcca 240
gctcagggta cgaatctgct accccaccag caatggtttc tgccaacagt gtggaacctt 300
ccaaaaattc atcagcaaca catcagacta acaacaattc tcataacaca ggactacttc 360
cacctaattt taacgaatgg tatgtctgag caaaatgtag agaggcctag tcatgctcaa 420
caaaaggacc atgtgcaaaa aaacagaatc caatttttt tatgttgaac caaggcggaa 480
atgctcgag 489

<210> 1989
<211> 507
<212> DNA

<213> Xenopus sp.

<400> 1989
gaattcggac tactacaggt gggttacatg gcttctctcc gactgtctgt gctgctcgtg 60
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ttaatggaga acatcgacct gcgggagacg cactctctct tcttccgcag tctatcggac 180
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aacataaaca ttgagaccat cagctcattc atcgatggtg gcggaagtgt gctggtggca 360
gcaagctctg atattgggga ccctctccgg gagctgggca gcgaatgtgg cattgagttt 420
gatgaagaga aaacagctgt aattgatcat cataactacg atatctccga cccgggccag 480
cacacactta ttagggccga cctcgag 507

<210> 1990
<211> 294
<212> DNA
<213> Xenopus sp.

<400> 1990
gaattcggac tactacaggt gttccagttc agtgaaccct cagttaaata tacttgatgt 60
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ttttcagctt gtgaacaaac aaaagggcat caaccaaagg ggaacaaatt aaatactctg 180
gcactattag cagtgtgttt gttccttaac agccatttcc tttgcattgg ttctggatct 240
cgtagatctt tctttttttt tttaaatgta tttgtatgca ctgtgtaact cgag 294

<210> 1991
<211> 279
<212> DNA
<213> Xenopus sp.

<400> 1991
gaattcggac tactacaggt gaaagacatg aacaatgttg ggtagtaaag cagtagaaag 60
tcagcaaagc tactaaatgg cttgtgaaat gttctggttt agaatggtgc taaacttccc 120
actgaatcca taactattgc catcttaagc agttattctg tggtgtgctt aaaccttatt 180
gttaaacttt ttgtttttta attgaatacc ttgcaagtag aatttgtggc atgagtaatc 240
agtctttgct gaaccacaac ttcctgacca gtgctcgag 279

<210> 1992
<211> 302
<212> DNA
<213> Xenopus sp.

<400> 1992
gaattcggac tactacaggt ggagaaacat agccactgtg acctgttcat atgtacatca 60
ttgtacaatt tttttagtgg atgcaattta ttttgtgtga ttgtacatta ctgaactgga 120
atgtaactgt tctcagaagg gttcatttct gagaattgaa tgtctggctg gaaatttctg 180
atcccatacc aaaactgggt ttgtaagcca tatattacat gtgaaacata cattgagtta 240
attgcaatag gcttaaaaag gaagtagcat attccagcca tcataccagc agcccgctcg 300
ag 302

<210> 1993
<211> 554
<212> DNA
<213> Xenopus sp.

<400> 1993
gaattcggac tactacaggt gggccacagc aatatttctg ccgttctatc agaagttcct 60
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<212> DNA
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<210> 1995
<211> 298
<212> DNA
<213> Xenopus sp.

<400> 1995
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tgcttgttcc tttgcctgag gaatatcttc attttcagtt gaagtgaact tgtatcaaat 240
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<210> 1996
<211> 325
<212> DNA
<213> Xenopus sp.

<400> 1996
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<210> 1997
<211> 439
<212> DNA
<213> Xenopus sp.

<400> 1997
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<210> 1998

<211> 409
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<213> Xenopus sp.

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<212> DNA
<213> Xenopus sp.

<400> 1999
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tgtctcataa gaagaaatga tcctacaaat aactttaaag gctgaatttg gtaaatattt 240
ggatgcagag gtaaaggagg ggattattac tggagaaacc agtgattagt ttgagtgcaa 300
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<210> 2000
<211> 308
<212> DNA
<213> Xenopus sp.

<400> 2000
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atgccattga cgtttatctc tttgccattg tgaaaggtgc cacaagcatc caagttgctg 240
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ttctcgag 308

<210> 2001
<211> 304
<212> DNA
<213> Xenopus sp.

<400> 2001
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agccgagcct gaagaatttg ttgtagaaaa agttatggac aggcgtgtag taaatggaaa 180
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ggaaaactta gactgtccag agttgattga agcattcctt aattctcagg aggcagggct 300
cgag 304

<210> 2002
<211> 372
<212> DNA
<213> Xenopus sp.

<400> 2002
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acactgaacg accagggaac ttctgctttc tgaaaagcta cgttttgctt tgcgcggact 240
cagcagccat ctttggcaaa ctttgatatg aacttcgtta aatatatata ttttttacga 300
ctacacaagg gttcttatgg cagatgctca gtgatgaaag gactactggc ctcaatatcg 360
gggggactcg ag 372

<210> 2003
<211> 287
<212> DNA
<213> Xenopus sp.

<400> 2003
gaattcggac tactacaggt ggtggattta cctgaggaaa acagagaggc tgcatacaat 60
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attgatgtgg ctcagcagtt tagcttgaac caaagtcgag ttgaggagat tacaatgagg 180
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gaccaagaga tgatgcgaga aggcagcgct tatgaagatg actcgag 287

<210> 2004
<211> 414
<212> DNA
<213> Xenopus sp.

<400> 2004
gaattcggac tactacaggt ggccatgcag catctttgta gcttcatctt tttcttgcat 60
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tacgcagtag ataaggcact gagacaccac aacaaggcgt taatagatgg aaaccagttt 180
gttctctata ggatcacaga tgccaagata aagactgata atagcgatgg gatacataac 240
tttgtcagct atgatatacg agaaggttcc tgtggagtaa aaagtggcaa attgtggcag 300
aattgtgatt ttaagcaatc tgatgaaaaa gtgggtaagt gttcggcaca cgttgtagtc 360
aacaaagagt tcaagaccag tgaagtcatc tctcagaact gtagcacact cgag 414

<210> 2005
<211> 280
<212> DNA
<213> Xenopus sp.

<400> 2005
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cagctctcgg gaagaaggat ccgggttaag cgcagcgtta cggcagaggc cgcccaaaaa 180
agtacaaaca aaacaagttt taagcagaag ttggacacat taaatcaaac aaaaccgatt 240
aaggccaaca gttttgtcgg cgaaacagcg gagcctcgag 280

<210> 2006
<211> 319
<212> DNA
<213> Xenopus sp.

<400> 2006
gaattcggac tactacaggt gcatgaggat tctgagctta ttgcattttt ctgggaacct 60
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cctactttca ccaaacatat catctacaag aagctgcttc tgtgccatgg cagaaatgca 180
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tctaaatcgg gatgctttca ataaaaccat acacgttccg gtaattaaag taaagaaaga 300
aataatcaat agactcgag 319

<210> 2007
<211> 315

<212> DNA
<213> Xenopus sp.

<400> 2007
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cagtaaaata attagcttac atgaatacaa agttaaaaca aaatatgtat tagttcaaag 180
attcagcaag gcatcataaa tgaataaaac aactttgttc tacagtgtct agagattgct 240
gcttagccaa tatctagatg atatgtacct gtgcaaatcc ttaacagtgc agaaaaacac 300
ctgtagtagt ccgaa 315

<210> 2008
<211> 332
<212> DNA
<213> Xenopus sp.

<400> 2008
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ataggcctgg ccttgcccac taatatggaa aaaccccatt ataagatggc tgtgtggcta 240
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<210> 2009
<211> 274
<212> DNA
<213> Xenopus sp.

<400> 2009
gaattcggac tactacaggt gagccaatga actgggaatg cttctttaca gtttccttga 60
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cacggccaat gggctcacca gtatcaacct tcacagtgaa ggagccacca gcagaggatt 180
cccaagcata ttgctcatca tcattgtgtt tggtaatgac cacaaccttc tctgccacca 240
ggtatgcaga atagaaaccc acaccgacct cgag 274

<210> 2010
<211> 326
<212> DNA
<213> Xenopus sp.

<400> 2010
gaattcggac tactacaggt gcattgatta gatcactgca gcataactgt ataaatatct 60
atagactaag gtgcatttct agatgctgga aaaactgcag cacaggatgg gccaaatgtg 120
tactggaagt tttggttgca gaagtttaaa ggtaaggaga agttggcagt gatggacccg 180
attatgggat ggtctttgta agcctctgtc gtaaaggggt tatttgcctt tgggttgact 240
tttagtatga tgtagagcag tgatccccag ccagtggctc atgaacaact tgttactccc 300
agtggcctca aagcagatga ctcgag 326

<210> 2011
<211> 265
<212> DNA
<213> Xenopus sp.

<400> 2011
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tagccttaac cgggacaagc tcgag 265

<210> 2012
<211> 335
<212> DNA
<213> Xenopus sp.

<400> 2012
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atgtagtcgc tgcttccaaa gcaatgaaga tgggagactg gaagacctgc aagaacttca 300
tcatcaacga gaagatgaac gggaaaggtc tcgag 335

<210> 2013
<211> 281
<212> DNA
<213> Xenopus sp.

<400> 2013
gaattcggac tactacaggt gcaaatcaat gcatggttgc taggggaatt tggaccctag 60
ttaccagatc acttaagatg caaattgaag agctgctgaa taaaaagcta aataactcaa 120
aaaccacaaa taataaaaaa tgaaaaccaa ttgcaaattg tctcagaata tcaccctcta 180
cattgtacta aaggtgaaca accactttaa taaatagcag tgtgctcggc attaatgagg 240
tcaataaatg gctgtttgcc cccattcaag caaacctcga g 281

<210> 2014
<211> 365
<212> DNA
<213> Xenopus sp.

<400> 2014
gaattcggac tactacaggt ggcttctttc attctctgtc ggactttgag ctggtccaga 60
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atggcccatg ccagacctac tttcttcaga gggtttttgg ctttgcgctg ggggatgtac 180
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tcgag 365

<210> 2015
<211> 384
<212> DNA
<213> Xenopus sp.

<400> 2015
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ggagaaagag acatgattgt tttgagaaat gatattggca tcagacatcc ttctggccat 180
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gaaagcaggg gcctggtaat tccactgacc aagaatatct atggaccaat attagaacgt 360
gtcagggaag aaggaattct cgag 384

<210> 2016
<211> 339
<212> DNA
<213> Xenopus sp.

<220>
<221> unsure

<222> (114)

<220>
<221> unsure
<222> (117)..(118)

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tattttctcc atctttcttg acatgacaat gccctcgag 339

<210> 2017
<211> 430
<212> DNA
<213> Xenopus sp.

<400> 2017
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atggatgata tctgccagga tcagtttatg gatctttctt atcttaatgg agcaccacca 240
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cctgtagctc cttcttctag aggaagggct gggcctcttc gccctcttgt tccaagaggt 360
gcccctggtc gtggagccat aacacgtggt gccagtgcaa gccgtcctgt acctccatct 420
gcttctcgag 430

<210> 2018
<211> 367
<212> DNA
<213> Xenopus sp.

<400> 2018
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tgaaaggtgg gagaggaaaa agaaaagaaa aaatcctgac ttgggatttt cagactatgc 300
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actcgag 367

<210> 2019
<211> 345
<212> DNA
<213> Xenopus sp.

<400> 2019
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atgtcttatc tacagaaccc acagcccatg tcacctaccc tcgag 345

<210> 2020
<211> 298
<212> DNA
<213> Xenopus sp.

<400> 2020
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gctgatgatt gcaatccaac tgatctcaag gatggaatat gtacactcca agaacctcat 180
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tataatccac atcatagact ttggactagc caaggagtat attgacccgg atctcgag 298

<210> 2021
<211> 289
<212> DNA
<213> Xenopus sp.

<400> 2021
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ccgcaggatg caccgccttt ggtcttttct cttggtgctg tgcccagttt tgcaggcaca 240
acagattact gtcaacgaga agatgactgg taccttgagc cagctcgag 289

<210> 2022
<211> 531
<212> DNA
<213> Xenopus sp.

<220>
<221> unsure
<222> (284)

<400> 2022
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aaagttgctg gctgaaatga gctccttctg tggcgacatg gataaacttg aatccaatct 180
gaacaaactg ttcgacaagt tgctggaatt catgccactt cctcctgaag aggttgagaa 240
tggggacagc gctgccaatg aagagcccaa acttcagttt agcnacgttg aatgtttact 300
gttcagtttc caccagctcg ggagaaagtt gccggacttc cttattgcta aagttgacgc 360
agagaagcta aaagacttca aaatcaggtt acagtatttt gctcggagtc tccaagtcta 420
tattcgtcag ctccgcctca cccttcaggg aaaatctgga gatgctctga aaacagaaga 480
gaacaaaatt aaagtcgttg ctctgaaaat aaccaacaac atcaactcga g 531

<210> 2023
<211> 408
<212> DNA
<213> Xenopus sp.

<400> 2023
gaattcggac tactacaggt ggttacacca caaagtaaaa ttgtatggat ttctgaaacc 60
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cttcacaggt tgcctattcc ccgacctgga gaagtacttg ggttggttgg taccaatggt 240
atcggaaaat ctacagcatt gaaaattttg gctggaaagc aaaagccaaa cctgggaaag 300
catgatgatc ctccagactg gcaggagatc ttgacctatt tcaggggttc agagttgcag 360
aactacttca ccaagattct ggaggatgac ctgaaggcca tcctcgag 408

<210> 2024
<211> 324
<212> DNA
<213> Xenopus sp.

<400> 2024
gaattcggac tactacaggt gttatttgga agaagcagtg atgaatctag atcacagcga 60

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gttcttgcaa gctgaacctc agaatgcttt acaaaaacct gctcgacgtc tgttgataat 180
gctacaagga ctggtgcctc ctacactgag ttaaagatcc tgcaatgaaa atatttaatt 240
gtgatccaaa attaccaaca tcttcaggca attcccattg ttaaaaattg aaagcattta 300
ttttagtata cgtccgtgct cgag 324

<210> 2025
<211> 276
<212> DNA
<213> Xenopus sp.

<400> 2025
gaattcggac tactacaggt ggagaaagac cataaaggaa aggaaaaggt ggagagaata 60
aaggatcata gcagtcccac agattttgca atgaacgagc tagaaaaggc ctatcggaaa 120
agccagtcac caaaacgttt caaaatgcga gagggattgg ataaattaaa actggcagag 180
ctgcgttttg ccaaagagga agcagaacag gagaaaaaag ggcggtccag aaaggattcg 240
gacagcgact ccaaaaacca agacccaaac ctcgag 276

<210> 2026
<211> 430
<212> DNA
<213> Xenopus sp.

<400> 2026
gaattcggac tactacaggt gctcgtatag acaaggggga gccatacatg agcatccagc 60
ctgctgaaga tccggacgat tatgacgatg gattctccat gaagcacaca gcagctgccc 120
gtttccagag gaatcacaga ctgatcagtg aaattctcag tgaaagtgtg gtgcccgatg 180
tccgttcagt agtcacgact gctcgaatgc aggttcttaa aagacaagtt cagtcgctca 240
tggtgcacga gcgcaagttg gaggcagaat tgttacagat agaggatcga caccaggaaa 300
agaagagaaa attcttggaa agcaccgatt cctttaacaa tgagttgaag cggctctgta 360
gtttgaaggt ggaggtggat atggataaga ttgcagcaga gatcgctcaa gcagaagatg 420
caggctcgag 430

<210> 2027
<211> 466
<212> DNA
<213> Xenopus sp.

<400> 2027
gaattcggac tactacaggt gatctcatta aagttactgt gttctgcagg gatattgcta 60
tcctactatg ctgttccatt tgggctgatc aggcggggcc acccccttc ttctgtttaa 120
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<210> 2028
<211> 485
<212> DNA
<213> Xenopus sp.

<400> 2028
gaattcggac tactacaggt gtggatgtag acacaccaag cgggacgaac aacagcgtta 60
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tagtggacaa ttgtgccatc tgcaggaacc acatcatgga cttgtgcata gagtgccaag 180
caaaccaagc ttctgctact tcggaggaat gtactgtggc atggggtgta tgtaatcatg 240
cgtttcactt ccactgcatt tcgcgctggt tgaagactcg acaagtttgc ccgctggata 300
atagagagtg ggaatttcag aagtacggtc attagaagct ccgcatgcat agatgtgagg 360

cagtgtcacg gctgcagcct acttcagtca ggcagaacat tcaactgctt tccggcttag 420
caccttgtca attatgatct ctgacctgtt cgtcatgttg acacacaacc cacctccccc 480
tcgag 485

<210> 2029
<211> 347
<212> DNA
<213> Xenopus sp.

<400> 2029
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aggtaaacct agtcagtctg tgctccaatt ctccaaaact tgtcttttct ctctgtctgt 180
cagagtgcgc tccagagggg tgtaggagag agaggggatt gaagctgttc tgctgcagag 240
tagtgctgtt aatagaatga aggagctgtg gctgagctca gaactgagat gacactgtgg 300
ctgctttttt tgcacaaaaa tttgagcaaa agaggggcct gctcgag 347

<210> 2030
<211> 302
<212> DNA
<213> Xenopus sp.

<400> 2030
gaattcggac tactacaggt gctatgtccg actccgagca gcagtatatg gaaacgaacg 60
ccgagaacgg ccacgaagct tgtgatgccg aagcggccga gggtaagggg gccgggggag 120
gccaaaacga cgccgaaggc gatcagatta acgccagcaa aggcgaggag gaggcaggga 180
aaatgtttgt cggtggcttg agctgggacg cgagcaaaaa ggacttgaaa gactactttg 240
aaaagtttgg tgaggtgtct gactgcacaa tcaagatgga ccccaataag ggagatctcg 300
ag 302

<210> 2031
<211> 355
<212> DNA
<213> Xenopus sp.

<400> 2031
gaattcggac tactacaggt ggaagaaaaa tttggccagg cagagaagac tgaacttgat 60
gctcacctgg aaaatcttct cgcgaaagct gaatgcacaa aggtttggac tgagaagatc 120
atgaagcaga cagaggtgct gttacaacca aatccaaatg cccggataga agaatttgtg 180
tatgagaaac ttgaacggaa ggcaccaagc cgtataaata ccgaagagca attagctcag 240
tatatgaatg atgctggtaa tgagtttggc cctggaacag cgtatggaaa tgctctcatt 300
aagtgcggag aaacacaaaa aagaatagga gtggctcaca gaggacttgc tcgag 355

<210> 2032
<211> 334
<212> DNA
<213> Xenopus sp.

<400> 2032
gaattcggac tactacaggt gctctccgca gccccaaccc tccggccaag atgtaccgcc 60
tgtatgagca ggtctcctat aacagcttca tcgcagccgc catctacatt gtcctggggg 120
gcttctcctt ctgtcaagtg agactgaata agaggaaaga atacatggtg cgctgacctg 180
cccccagttc agctagaagg tggtctgacc cacactgaaa ccaaccctcc cacttctttct 240
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gaacttctag tacgatgaag agaggattct cgag 334

<210> 2033
<211> 354
<212> DNA
<213> Xenopus sp.

<400> 2033
gaattcccat agcaacaaac agtagaacac acagctgttt actggacatt tagaggactc 60
cactttaccc gctctcattt tgcggtcttg ccgcccgttg atctggatat cgaggtcgct 120
gatcaaaaac aaaaagtgct tttcaagaat atgtttttgg caagtttatc gaagcctggg 180
aagaaccaag gaggatgggt ttgctcttca gatttgggaa agagtcgagt cgctccagtc 240
gccaacgttt tagtagctgc cgtctcccaa acagccctct gtgtttttgt atgtttttgt 300
gttacggttg ttggtttcat ggacatcgac aacgttttac cagcaaacct cgag 354
<210> 2034
<211> 384
<212> DNA
<213> Xenopus sp.

<400> 2034
gaattccata gcaacaaaca gtagctttta tacatgttag gaaaggaagc ccccccccct 60
atgatatatt ggattatttg tcaagacacc caactgctgc aagaagagaa acagatgccg 120
aatataactt gatttcagaa acaatgcaga attttaaatt gattgtattt agaaagtttg 180
atactttagt atgaggagac aaattacatt ttcgcaatag ttcacctaag caagcatctc 240
catatttaaa cttggagaat tcaaccgtaa attaaaaata ccctacagcc ctaccctaca 300
catacctcc cagcctagct gttactccgg gcaaatgtcc aggtttttgt tcatcccctc 360
ggtgcagatt ccgtccagct cgag 384

<210> 2035
<211> 338
<212> DNA
<213> Xenopus sp.

<400> 2035
gaattcccca tagcacaaac agtaccagct tccagctggt gcctcagagg aaatacactg 60
acaacttcaa aacttgataa cgacaagaaa ataaaaatag aaaaatgctg agagtgagca 120
ccatgtttat cgtctgcgct ctagcattac atccacttta tgtctatgga gatgatggaa 180
agggggggctg tgcgcctaat caagtctgga attcttgtag aactgcctgt cccttgaatt 240
gtcagaactt cagaaaccca ccagatgtgt gcatattgtc ctgcaagaga gggtgcttct 300
gcaaggaacc ctatattttt caaaatgggg gactcgag 338

<210> 2036
<211> 364
<212> DNA
<213> Xenopus sp.

<400> 2036
gaattcccat agcaacaaac agtacacagg tatattgaaa tcttcaagag cagtcgggct 60
gaggttcgta caaactatga tcctcccaga aaactctttg gtatgcagcg accgggccca 120
tacgacaggc caggagccgg cagaggctat aataatttag gcagaggttt tgaccgaatg 180
agacgtggag catatggagg aggttacagt ggatatgaag attataacgg atataatgag 240
tatgcttttg gtgcagatca gagatttggg cgtgtgtctg ataatagata tggagatggc 300
agcacgtttc agagcacaac tggccattgt gtacacatga gaggactccc ccacagaact 360
cgag 364

<210> 2037
<211> 582
<212> DNA
<213> Xenopus sp.

<400> 2037
gaattcccat agcaacaaac agtaggcgct aatatacctg cgtgtgacgt cacggattcc 60
gaaagagata ggaactggag ccctgagtaa agaataattg gaggaagtcg ggctgttgcg 120
cagaattctg aactattgat caaacgctct accaagtttc acatagaaca gcgtttggtg 180
gtgactgcat ttccgtaagt gagccgcctc ttatttcttc aggaccgggt actgattcgt 240
gtcttccggt cagaccgaga taaacaaacg ggcctcagaa accaatcggc agactccatt 300
cgtcttgtac agcccgccta cgcggatccc atagtaatgg cggtgtggtt gggtggcctc 360

ctgctgctta tgttcccttt ggcgctggca cagcagcagc cagcatgtga tggatactcg 420
gtcttggatg gggttggtct gcctgcgata ggtacaccgg ctcggcagct aatgattgag 480
ctagactcat cacgggtcgc caactccgag caggactgtt gggatctttg ttgttccacc 540
gagcgctgcg aactggctga gatgtccgag ggaagcctcg ag 582

<210> 2038
<211> 114
<212> DNA
<213> Xenopus sp.

<400> 2038
gaattcccat agcaacaaac agtagcttgg cggtctcgag ggttgtgtag ttgtgaaatc 60
atctgcatgc agttgtccat gttctacaaa ttcagttttg tagtctgtct cgag 114

<210> 2039
<211> 344
<212> DNA
<213> Xenopus sp.

<400> 2039
gaattcccat agcaacaaac agtaaaagct gccccggtca gtcacatgca ggatcccttc 60
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cctatgtaaa tatataacac tatgattttt cttcgatatg tgtcctttaa gagcaatcta 180
gctttaatag gcaagctctt gagtgctgag cagtacttac atagggaaca gaggagccct 240
tattgcatgg caggaaaatg ttacaaggcc tctcccagct ggcagccatt gtgggtttgc 300
cagaactgca catctctgcc acatggcctc accccaccct cgag 344

<210> 2040
<211> 304
<212> DNA
<213> Xenopus sp.

<400> 2040
gaattcccat agcaacaaac agtaagttcc tgttgtgagt ctgggtgagt tcgctgaggg 60
aatggagcga ctgtgctgct tagtggtcct ggctctcctc tgccggttcg gtgccgctga 120
caccccggct aactgctctt tccccgacct ggaaggcacc tgggagttcc aaataggaga 180
gggcaccggg gcaactcggg acaagaccat tgactgctcc cagttgggta aagtgagaac 240
caaactgaca gtcacactga aagaactgaa cattgctgag gatcagaatg ggaacgtgct 300
cgag 304

<210> 2041
<211> 405
<212> DNA
<213> Xenopus sp.

<400> 2041
gaattcccat agcaacaaac agtaaggaga tcgtcactcc ctcgtggata aggaagtagc 60
agcatggttg ttgtggggaa gacgagcgcc tttgcggcag gtgtttgcgg ggcattgttc 120
ctcgggtatt gcatttactt cgacagaaaa aggaggaatg accccaactt caagaacagg 180
ctgcgagaaa aaagaagaaa acaaaagatt gccgaagaga gagcaggaca gtcaaggtta 240
ccagatctta aagatgcaga ggctgtccaa aaatttttcc ttgaagaaat tcagcttgga 300
gaggagttgt tggctcaagg tgattttgaa aagggtgttg atcacttaac aaatgcaatt 360
gccatttgtg gtcagcctca gcagttgcta caggtaatgc tcgag 405

<210> 2042
<211> 251
<212> DNA
<213> Xenopus sp.

<400> 2042

gaattcccat agcaacaaac agtaagctgg agaagccaga ggagcctggg acaagacatg 60
tgaggaatga agaccagagt ggaaggcaga gatgaagccg aactctattc ccctgctttt 120
ttggtacact ggatgagtga ggagaactac attttcacct gtcagctctt caccctgctc 180
tgctaaactg gttacagata gaacctgtgc atccttctcc attccttaaa ttagtacatc 240
actggctcga g 251

<210> 2043
<211> 291
<212> DNA
<213> Xenopus sp.

<400> 2043
gaattcccat agcaacaaac agtaaaaacc aaaaaagagc aggcgccaga agaagagacc 60
cctgtagatg aaagtacaac agggtccccc caggaacccg agaccaagga tggagccgcg 120
gaaacatctc cagaagcagc tccagagaat ggtgaatgtg acacagcagc gccctctagt 180
gataatacag aggaagtaca gcctgagcct gctgccctcc ctccaactga agattcccct 240
aaacctgtag agagtgaagc caacacagaa gcccccagcg aacccctcga g 291

<210> 2044
<211> 360
<212> DNA
<213> Xenopus sp.

<400> 2044
gaattcccat agcaacaaac agtagtggtc agcaccaaat tgcaggttga ttaaaggttt 60
caaagggagc agcacagcct ccaaagacca gattacaaag ctagctaagc tcaatgaagg 120
ctgagaagta aatcccttga gaagcatctc ccatagattt gcttaccctg ctaccagctg 180
tcccttaccc tgggaggttc aagaacggca tagtggctgt cattatatcc tccagttact 240
ggttctgcag gtgtaattat gaggcactgt ccactttgac tgctgctctt tatgctgcct 300
ctgccccaga gtccaatatt cctctcctag gttgctttcg tagatataga gctactcgag 360

<210> 2045
<211> 281
<212> DNA
<213> Xenopus sp.

<400> 2045
gaattcccat agcaacaaac agtaaattta agtatattct ggcaaatctg gttagctttg 60
tgccaagcaa ctggtcaaag gggcgggggt tttaaataaa ctaagtttgt ttgaaaccat 120
aaactgcatt acactttgtt ctctggggca ctgataatta atatctgcaa tcagattaat 180
tgccgttaaa tgcagcagtt tctagaggaa cacaaactag ttaagtagtg tttgttcaca 240
gatgtataaa taaagtgtgc aggtgcttgc ccttactcga g 281

<210> 2046
<211> 467
<212> DNA
<213> Xenopus sp.

<220>
<221> unsure
<222> (71)..(72)

<400> 2046
gaattcccat agcaacaaac agtaggaggg gatccccgtt tttgagaaga agaaaaagaa 60
gaaacaggtc nnatgcgagg ggcttgagaa ccagcccacg tgggaaatga acatgaggac 120
agacctgctt gagagcggca aggagagaat cctgaaacta ctcaacacgg gctcagtaaa 180
ggaactgaaa tccctgcaga ggatcggaga caagaaggcc aagctgatta ttggctggag 240
agaagtcaat gggcctttta agaatgtggg agagttggcg tgtttggaag gaatctctgc 300
taaacaagta tcgtccttta taaaggcaaa tatcatgagc agcatcgcca gctgaaacct 360
gtaccatcat caggctgcgg cccgggtcat acacgctcca agggccactg attttattcc 420

tcaccaacaa cttgaaatcc ctgagctcct tatggcaaag gctcgag 467

<210> 2047
<211> 294
<212> DNA
<213> Xenopus sp.

<400> 2047
gaattcccat agcaacaaac agtaaatgat tattgttatt ttttttttt ttatttcaca 60
gcaatagaac atacatttgt tgtttgcaca gagttgcaga gatttcccga tgggtcgcct 120
gacctgattt tatttatgtt tttatttgat gttgcacaga atatgaattt ttggaaataa 180
tttatccccg ggcaaaaaaa cataaaagtg gagaatgcag ggaccattcc taaactccct 240
cctatataac cattatccat ctgttacttc agagcaaata ccactcgact cgag 294

<210> 2048
<211> 525
<212> DNA
<213> Xenopus sp.

<400> 2048
gaattcccat agcaacaaac agtacaggga tgtcgccatg taaaacagaa gggcaccatg 60
tgtgcgttat gagtctgctt tatttttctat ctgagacaag cgttgcttgc cctgtcaaca 120
aaatattatt ttattgacac tttatgaata gagtgctagc cattttttgc actgtcatgt 180
tgtagaatgg accaaaaata accagcagac ccatgaacat tgcttaattt ttttctgatg 240
ttgcaaactg agtggccgga cacattttag gagtcaagca atcatacaag ttctacattt 300
cctactagat cctctcaatt catccctaca aatgtacagt acctggccat taaaggggaa 360
ctaaagtcta aaatagaata atgctagaaa tgctgtattt tgtgtactaa acatgaactc 420
actgcaccag aactatgtta aacatctttg caagaccaag actgtgcaca tgctcagtgt 480
ggtctgggct tctgttggga ggttaagctt agggatttac tcgag 525

<210> 2049
<211> 415
<212> DNA
<213> Xenopus sp.

<400> 2049
gaattcccat agcaacaaac agtaagaagt ccgtgtctgc ttatccagct gcaaaatgcc 60
caactgggga ggtggaaaca aatgtggagc ctgtggcagc aatgtttatc atgctgaaga 120
agtgcagtgc gatgggaaga gttaccacaa atgctgcttc ctttgtatgg tatgccgaaa 180
aaacctggac agcacaactg tagccattca cgatgatgag atttattgtc gatcatgtta 240
tgggaaaaag tatggcccga aaggatatgg atatggccaa ggagctggca ctttgaatat 300
ggacagaggg gaaaggcttg gcataaagcc ggaggaaaat ctggcacggc agaataccag 360
ttcaaatcct tctaagtatg ctcaaaagtt tggaggtgct gagaaggacc tcgag 415

<210> 2050
<211> 414
<212> DNA
<213> Xenopus sp.

<400> 2050
gattcccata gcaacaaaca gtagccggaa ccatgatcgc tagggtgtta ggtcctcggt 60
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tgggactgat atgggctaca gactggaggc tgtctcttga ttatgttcca tatgtaagtg 180
gaaagtttaa ggatgagaaa taaacttcta ccgatccact gtctactatg agcatgtcct 240
ggatttggcc cagatcacaa aatcttcagt gtccagtatg ttaatgcaag gaaatggaca 300
gaccgtcttt acaccttgga tgaagctgct tatttatgaa taaatgttgg acttgcgtat 360
ttcagaatta tttgctgaaa tgtattggtg tctactttaa ctgtactgct cgag 414

<210> 2051
<211> 432

<212> DNA
<213> Xenopus sp.

<400> 2051
gaattcccat agcaacaaac agtaattccc atagcaacaa acagtaaaaa tttgccagta 60
cccctaatgt gcaacaaaga gcaaacagct gtggagcaag tgccagagag ttctcaagtg 120
gagaaagtgc ttgctttgga gcacatgcct gagccagaga gttctgaact ggaagtggaa 180
cataagtctg agccagagag ttccgaactg gaagtggagc atggagagaa agtgcttcct 240
gtggagcaaa tccctgagcc agagagttct gacttagaaa tggccaatca ttctgttgaa 300
caacaaaaag ttccagcgga tgtattcctg actgcagctg atgccccaat actcccttcc 360
tcgcccacac caaatataca gaaggaaaat gagcaggaag cacctaagga gccagagcat 420
ggtacactcg ag 432

<210> 2052
<211> 364
<212> DNA
<213> Xenopus sp.

<400> 2052
gaattcccat agcaacaaac agtaagcaat tgaaaaattt gcattcagta agatacttaa 60
ttaaatggta acctcccctt taatgacaca aggcatgcta aatatcagat ccatcgccag 120
gatgagatag aaatgtagtc gcatatttac acaagggcaa aatcgaatcc taagttactc 180
cagcagtgtg ggaaacacaa cgtagcagtt ctgttaaaca actaattgac ctttcagtgc 240
acatcaaaga caagttcact ttcctcctcc atctgaactg tgcatgtgtg aatcaactgg 300
aagtgacatt gcattgttga aacgggatag gaaccctcct cccattgcac ggcaataact 360
cgag 364

<210> 2053
<211> 393
<212> DNA
<213> Xenopus sp.

<400> 2053
gaattcccat agcaacaaac agtaagttaa tggccacgtt ctattttatt tttgaaatga 60
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tctacttacc tagacaacgt cattgagaag atttgtggac cagaatctgt ttttatgtct 180
gctgacttga aatccctttc ttataataat tggactgggt agggtgtttc ccagcaaagt 240
actgtattat tgtgattgta acaccacaca gaagaacata taggattaag ctatttgcca 300
gatgcacaag tagcattgct cccgatgtgc tgattaggat atctgcataa aatgtgcctg 360
tgtgtatacc tcaataaatg ttcaaccctc gag 393

<210> 2054
<211> 332
<212> DNA
<213> Xenopus sp.

<400> 2054
gaattcccat agcaacaaac agtagcgcta aagcgacacg ataaacacag tgggagatac 60
caagtccgta gcgcacaggc cgcctgcccc tctcactctc cagtggaatg atcgtactac 120
ccgccgctgt gttcctcgct ctgctggttt tctctcaagc agcaaaccca tgctgttcaa 180
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gcacgagaac tggcttctat ggagaaaact gcactaaacc ggaattttta tcatggttga 300
ggctgaagct gaagccgacc cccgtactcg ag 332

<210> 2055
<211> 383
<212> DNA
<213> Xenopus sp.

<400> 2055

gaattcccat agcaacaaac agtagcactc tcaatctcat agtttttact tacaagggac 60
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tgccagttca agtcttgaat ctttttttcgt aacttctgaa gatctttctg cgcacagtca 180
atcatatgaa ccaggttctc gttattggct ttccagacgt tgcagccgtg ctgggacatg 240
aactccaagt tctctattct gacggcctgg tgttccagtt gggccatcga attattgaca 300
cattcctgcc aagccgtgat gtcattcctc tggccggatg agggggccgg taactcatac 360
ctcttcatgc tgagaagctc gag 383

<210> 2056
<211> 324
<212> DNA
<213> Xenopus sp.

<400> 2056
gaattcccat agcaacaaac agtaaggaga aaccatcaca tctgtcctga aaaccgggaa 60
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ctgatctcca agatatcggc agaagacgtt tgcgagagtg gcctctacac aaacagcggc 180
aaatgctgtt ccttgtgccc agcgggattc ggggtggtgg ttccctgcgg agattcagat 240
actaagtgtg aaccctgcat agagaactct actttctctg atgtcagaag cgccaaggca 300
aagcgccagc cacgtgttct cgag 324

<210> 2057
<211> 450
<212> DNA
<213> Xenopus sp.

<400> 2057
gaattcccat agcaacaaac agtacatgaa tcaaaattct aattcctgag aatgagacat 60
tttaattccc ctttcgtgcc ttgcacattc tctgaactac gtccaataat tctaattttg 120
cagtgtattt tgtgccctta caaaagaatg cgttttcttt ctttatttttt aggattttat 180
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ctcacagatg gtcaagcaaa gtctgcagac gactttcttg aatggctgga ctacagagaa 360
agtcaacatg aaactggcac agttcgccgc tccttttctg caccacattc caactctgtc 420
gacattgggg cagatgtgca ctccctcgag 450

<210> 2058
<211> 494
<212> DNA
<213> Xenopus sp.

<400> 2058
gaattcccat agcaacaaag agtacaactg cagagaaaat gaagctgctt cgagcttgcc 60
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tggccctgca cgacattttg tttggtgatg tttggctttg tggtgggcag agcaacatgg 420
agatgactgt ttcacaggta tttaacgctg gtaaagaact ggcaaaagct gctgattatc 480
ccaaccttct cgag 494

<210> 2059
<211> 141
<212> DNA
<213> Xenopus sp.

<400> 2059
gaattcccat agcaacaaac agtacccata gcaacaaaca gtaggcagct tccttgtctg 60
aggagttggc tagtttgtta aatccacagc caaattttac ggatcccgag gacgatcagg 120

atgaagccac tgttgctcga g 141

<210> 2060
<211> 549
<212> DNA
<213> Xenopus sp.

<400> 2060
gaattcccat agcaacaaac agtacttccc atagcaacaa acagtaattc ccatagcaac 60
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cgttgcaccc ccaaactttt accattgatc tcttttaact gtgtcgtaag tacccccaat 480
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atgctcgag 549

<210> 2061
<211> 410
<212> DNA
<213> Xenopus sp.

<400> 2061
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aagcaaaaag tcagtgactc caagtctaac tccagccccc ctgcctcgag 410

<210> 2062
<211> 433
<212> DNA
<213> Xenopus sp.

<400> 2062
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atgcagcctc gag 433

<210> 2063
<211> 378
<212> DNA
<213> Xenopus sp.

<400> 2063
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aatccaggag cgctcgag 378

<210> 2064
<211> 280
<212> DNA
<213> Xenopus sp.

<400> 2064
gaattcccat agcaacaaac agtaaatttt tgcaagtggg ggaccacaag cgttggtaaa 60
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aaacctttca gatgcagcaa ctaaacagga ggctctcgag 280

<210> 2065
<211> 316
<212> DNA
<213> Xenopus sp.

<400> 2065
gaattcccat agcaacaaac agtactgtgt gtgggtccgg agagctgcag ggtcaagagg 60
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aagcagggaa gaggaagcaa tccagttaga tggcctcaat gctgctcaaa ttaaagaaat 300
acgggagggg ctcgag 316

<210> 2066
<211> 333
<212> DNA
<213> Xenopus sp.

<400> 2066
gaattcccat agcaacaaac agtacacacc agcaacacca tgaggatagg agccatcttt 60
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gagaaatctg aacaggagct aaaagataca tttgctcgct ggttgccact tggcctaggg 300
ctgaatcact tggggaaggg tgaagcactc gag 333

<210> 2067
<211> 313
<212> DNA
<213> Xenopus sp.

<400> 2067
gaattcggac tactacaggt ggggcagaga aaatccgcca tgaaggacgg aaaagggaca 60
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gaaggaaaag ggtttttctt gtggagaaaa caaaagatcc agctggaata taaaaaacta 180
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gaacacttga agcacctgta cctagctgaa gaagaaatgc tgaaaaagaa agaagaaagt 300
aggaaacctc gag 313

<210> 2068
<211> 412
<212> DNA
<213> Xenopus sp.

<400> 2068
gaattcggac tactacaggt gattcacctt cgggcagcac gacatgccca aactccggcg 60

ggaagatcta caaggagctg tgccactgca agctggcggt gtgaggccac gcgtcttcta 120
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ggtggaccgt actacctgtt taccccagtg ggtgcctcgc ccacccgtac attgaaggat 300
tctgtggatc aattccaggg gggagtccct gctgcgccgt ttcgctggtg gatcgtcttt 360
cctcgtcctt cgtgtcccgt gccctctcca caatcccccc ccaaaactcg ag 412

<210> 2069
<211> 310
<212> DNA
<213> Xenopus sp.

<400> 2069
gaattcggac tactacaggt gaccccaccc tgctgttaac ccctcttttg ccagttgttc 60
aacaagctgg gaaagagttg ttaaatcagt ctgtagcatg ggaaagctgt gaaactgtac 120
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agtgtattag aataccttac ccccttcctt tgttaggtct tgattttaaa taaagaacca 300
agtgctcgag 310

<210> 2070
<211> 315
<212> DNA
<213> Xenopus sp.

<400> 2070
gaattcggac tactacaggt ggaattcctg agtttcactg agcgctaccc gagcatcgtc 60
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gtggtatatt tcggcccgct tacttgctct ataatcacga caactcggaa attcttcacc 180
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atcctggtgt ttttaggtct gggactggat gcaacgtatg gaaaaggatc caagaaaccg 300
ccccactgcc tcgag 315

<210> 2071
<211> 345
<212> DNA
<213> Xenopus sp.

<400> 2071
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atgtggcttt tgaggaggag tttgggagag ttaaaggtca ttttgggcct attaacagtt 120
tggcattcca tccaaatgga aagagttaca gcagtggagg agaggatgga tacgttagaa 180
tacattactt tgactcgcaa tatttcgact ttgaatttga atcctgagac agttgcttca 240
tgcttgttta tatcctactt aatttgcgct cacacacaca atttaattga ttgctcaatt 300
acatcatgca gattgtatac ttttacaata aatggaaccc tcgag 345

<210> 2072
<211> 310
<212> DNA
<213> Xenopus sp.

<400> 2072
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actacaaaaa tgcataatac actacttttc ttttcctcac tgactctgtt cttcactttg 180
aatagaaatc tcaggcactt ggacactatc tggcctatac cagcatcatt catatacctt 240
tccttctgct tgaacccctt tacaagttgt ggaatcctga cgtttttctc tttttggctg 300
gagactcgag 310

<210> 2073

<211> 320
<212> DNA
<213> Xenopus sp.

<400> 2073
gaattggact actacaggtg aaaatacaga gtggctttga ggattgcaaa ggacccatca 60
tttgaacggc tgccttgctc tcaccctgga acctatgcag atgactgcct tgtacaaaga 120
gttactcagc acaaatgtta tattgtggct acagtggaca gagacctgaa aagaagaatt 180
cggaaaatcc ctggtgttcc catcatgtac atctcaaacc acagatataa tattgaacga 240
atgccagatg actatggagc tcctcgtttt taagatttgt ttgttcggca ttcaaacctt 300
tattataatg tggactcgag 320

<210> 2074
<211> 406
<212> DNA
<213> Xenopus sp.

<400> 2074
gaattcggac tactacaggt ggtgacactg tatgtgacag aggaaacttg cagtgggcaa 60
atatcaatac gtttccccaa tcataggaac attatcattc ccattggata aatctgccac 120
taagtgtttg ggaatcaaga gacccagaga caatagagag cccaaggcat tctaattctt 180
gttaaactac aactcacctc acttatttgt atagacattg gctttatcca ataacagtgc 240
taagactccc attgccattg tactttctct gcacaagtat cctggaagtc ttcccttaaa 300
ctttgcctta attcagagtt tccatgtggg tagtgtattc tgaacctttg ctgtatgttt 360
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<210> 2075
<211> 382
<212> DNA
<213> Xenopus sp.

<400> 2075
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tctgaactac tgccgcggct tacgatttga agaggcaccc gactacatgt atctgcgaca 180
actattccgt attctgttca gaacattaaa ccaccagtac gactacacat ttgactggac 240
aatgttaaag cagaaggcag ctcagcaagc agcctcctcc agtgggcagg gccagcaagc 300
ccaaaccccc acaggatttt gaacatgaaa ggagcagaga tcacagacca ggctggagct 360
ggacctgtca ctccctctcg ag 382

<210> 2076
<211> 615
<212> DNA
<213> Xenopus sp.

<400> 2076
gaattcggac tactacaggt gatcaggagt cggatttagt tcgctaggca caaggattcg 60
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cttcaacggc tcgag 615

<210> 2077
<211> 397

<212> DNA
<213> Xenopus sp.

<400> 2077
gaattcggac tactacaggt gagcgagacg aatcgggaat gctgaatcct tccaatttat 60
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atgggggcac agtgatccct tcacatacac aaatgtcgga cgctcctgat tgtcccgtat 180
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cccatattgg aaatgtgcat ttaaagtacg ttaactgaat tagaggaaac cgttcaacac 360
aaaactgaaa tacttgagcg caccggggtg actcgag 397

<210> 2078
<211> 410
<212> DNA
<213> Xenopus sp.

<400> 2078
gaattcggac tactacaggt gaccaccagg ccgctgctcc aaccacttgc aggagaagat 60
tcaaaagttg tatgagaaga agttaaaaga agggacagac atgaaccgca ttatccaaaa 120
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aaaagaacga acgaagattg agtttgttac aggcactaag aagggcacaa cgaccagtgc 360
aaccacaggc acaaccagta ccacaaccac atctacagca gatgctcgag 410

<210> 2079
<211> 517
<212> DNA
<213> Xenopus sp.

<400> 2079
gaattcggac tactacaggt ggaacccttc ctgttgctct tatataacct ccgtcttgtc 60
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gccactgatg ttcaacctgt ggtccgcaag cctttgttga actttgtagt tcaaataacc 420
cagtcggggt agtcaaaccc tacacttcag ttgatgcacc cacttttatt aatgacaccc 480
tgaggctaaa gtgttacgtt aaagggaccg gctcgag 517

<210> 2080
<211> 371
<212> DNA
<213> Xenopus sp.

<400> 2080
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aaggaaaggt caggttagtt agcaggggcc ggtaaaggag tttgaattgt ttagcatggt 360
aagagctcga g 371

<210> 2081
<211> 687
<212> DNA
<213> Xenopus sp.

<400> 2081
gaattcggac tactacaggt ggtgagaagc agtagatctc aggggagtct tgcaacaatg 60
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tactctatcc ctccctgcga gcaccatgtg aatggctcca ggccgtcctg caaggggggaa 660
gagggcgata ccccaaagtg cctcgag 687

<210> 2082
<211> 602
<212> DNA
<213> Xenopus sp.

<400> 2082
gaattcggac tactacaggt gctactgaga ggaggaagat gcagctcgtt acagctctga 60
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aatgtagaac gcactacatg ggtaaatgcg ataacagcgg tgcatcttca gattgtcagt 180
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ag 602

<210> 2083
<211> 425
<212> DNA
<213> Xenopus sp.

<400> 2083
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gctgaacttc cagaggaaaa atctgtttct aaccctgaaa ccatgttgaa cagggcatgc 420
tcgag 425

<210> 2084
<211> 498
<212> DNA
<213> Xenopus sp.

<400> 2084
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ctactacaag aagcagaaat tgacacatgc attgcataag gactcaaaca cagactgcta 420

ttatgactac atctgtgtca ttgactttga agcaacctgt gaagcgggta actctctaga 480
ctacccccat ttctcgag 498

<210> 2085
<211> 306
<212> DNA
<213> Xenopus sp.

<400> 2085
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gcaaataaaa ctgaggggat ctcccctcag cctgctgcag agctaggtgt ccaaagccct 240
gcaaaagtgc taactccttc cctgcctttg ccaaccttgg agcctgtttc ttctgccccg 300
ctcgag 306

<210> 2086
<211> 385
<212> DNA
<213> Xenopus sp.

<400> 2086
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atttttgaat ctgattctgt gggcaggtaa tgcttggttt gtatacaagg agaccagtct 360
acattcccca ccgcaacaac tcgag 385

<210> 2087
<211> 198
<212> DNA
<213> Rattus sp.

<400> 2087
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accctgttat tggctgccct acttgggtat atctactgtc aagaaacgtt tgtgggagat 120
caagttcttg agatcatccc aagtcatgaa gagcaaatta gaactctgct gcaattggag 180
gctgaagagc atctcgag 198

<210> 2088
<211> 176
<212> DNA
<213> Rattus sp.

<400> 2088
gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2089
<211> 323
<212> DNA
<213> Rattus sp.

<400> 2089
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tcgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180

ttggaggggt gcaggtctct ccacccaatg aaaatattat aattaataat ccatcaaggc 240
cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggtct ggaaatgaaa 300
atgaattcaa aggatggctc gag 323

<210> 2090
<211> 176
<212> DNA
<213> Rattus sp.

<400> 2090
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gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176
<210> 2091
<211> 176
<212> DNA
<213> Rattus sp.

<400> 2091
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caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2092
<211> 346
<212> DNA
<213> Rattus sp.

<400> 2092
gaaattcggc caaagaggcc tacttggtag attatccaaa catcgtcaaa ttttcatgct 60
atttatttta tttctttttt ttttttttt ttgccaaaag atgagttgtg tttgtttgaa 120
atctgagaca ctgtgttcca tttggtgttt ctgttcaaat gcatcctcat tgtcctggaa 180
acccttcccc agatgtcaca ctacatgtca ggtccaggag gatgactcgc aagtcctaca 240
ggtttcatta cgaaaacttc aaggttccca gtggaaacct ggaaaccgtc agctgatgct 300
caccaaatgc tcgcccttca cccctgcggg ggcctggcag ctcgag 346

<210> 2093
<211> 176
<212> DNA
<213> Rattus sp.

<400> 2093
gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2094
<211> 323
<212> DNA
<213> Rattus sp.

<400> 2094
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt gcaggtctct ccacccaatg aaaatattat aattaataat ccatcaaggc 240
cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggtct ggaaatgaaa 300
atgaattcaa aggatggctc gag 323

<210> 2095

<211> 176
<212> DNA
<213> Rattus sp.

<400> 2095
gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2096
<211> 176
<212> DNA
<213> Rattus sp.

<400> 2096
gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2097
<211> 150
<212> DNA
<213> Rattus sp.

<400> 2097
gaattcggcc aaagaggcct acccccccact agaaaaattg ttatgggtat tggcatttat 60
ttattcatca tatacttatt agggcagcta aaaaagtcta atgcctctgt catgtattac 120
cacagaaggc aagcccagca caaactcgag 150

<210> 2098
<211> 323
<212> DNA
<213> Rattus sp.

<400> 2098
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt gcaggtctct ccacccaatg aaaatattat aattaataat ccatcaaggc 240
cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggtct ggaaatgaaa 300
atgaattcaa aggatggctc gag 323

<210> 2099
<211> 178
<212> DNA
<213> Rattus sp.

<400> 2099
gaattcggcc aaagaggcct aagcattgac catgaggttg accctgttat tggctgccct 60
acttgggtat atctactgtc aagaaacgtt tgtgggagat caagttcttg agatcatccc 120
aagtcatgaa gagcaaatta gaactctgct gcaattggag gctgaagagc atctcgag 178

<210> 2100
<211> 344
<212> DNA
<213> Rattus sp.

<400> 2100
gaattcggcc aaagaggcct acttggtaga ttatccaaac atcgtcaaat tttcatgcta 60
tttattttat ttctttttttt ttttttttttt gccaaaagat gagttgtgtt tgtttgaaat 120

ctgagacact gtgttccaat tggtgtttct gttcaaaagc atcctcattg tcctggaaac 180
ccttccccag atgtcacact acatgtcagg tccaggagga tgactcgcaa gtcctacagg 240
tttcattacg aaaacttcaa ggttcccagt ggaaacctgg aaaccgtcag ctgatgctca 300
ccaaatgctc gcccttcacc cctgcggggg cctggcagct cgag 344

<210> 2101
<211> 176
<212> DNA
<213> Rattus sp.

<400> 2101
gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2102
<211> 330
<212> DNA
<213> Rattus sp.

<400> 2102
gaattcggcc aaagaggcct aaaaatgaag tttgttctgc tgctttccct cattgggttc 60
tgctgggctc aatatgaccc acacactgcg gatgggagga ctgctattgt ccacctgttc 120
gagtggcgct gggctgatat tgccaaggaa tgtgagcggt acttagcacc taagggattt 180
ggaggggtgc aggtctctcc acccaatgaa aatattataa ttaataatcc atcaaggcct 240
tggtgggaaa gatatcaacc aatcagctac aaaatttgct caaggtctgg aaatgaaaat 300
gaattcaaag acatggtgac gagactcgag 330

<210> 2103
<211> 523
<212> DNA
<213> Rattus sp.

<400> 2103
gaattcggcc aaagaggcct aaacaattct gcaaaaataa tcatacccag cctggcaatt 60
gtctgctcct cggtccattg ctccgccgcc gtccacagtc gcttgcaagg gaaggcactg 120
aatttaccgc ggccagaaca tccctcccag ccggcagttt acaatgctgc gaactaagga 180
tctcatctgg actttgtttt tcctgggaac tgcagtttcc ctgcaggtag atattgttcc 240
cagccaagga gaaatcagcg ttggagagtc caaattcttc ctgtgtcaag tggcaggaga 300
tgccaaagat aaggacatct cctggttctc ccccaacggg gagaaactga gcccaaacca 360
gcagcggatc tcagtggtgt ggaacgatga tgactcctct accctcacca tctacaacgc 420
caacattgat gatgccggca tttacaagtg cgtggtcacc gctgaagacg gcacccagtc 480
cgaggccact gtcaatgtga agatcttcca gaagacactc gag 523

<210> 2104
<211> 150
<212> DNA
<213> Rattus sp.

<400> 2104
gaattcggcc aaagaggcct acccccccact agaaaaattg ttatgggtat tggcatttat 60
ttattcatca tatacttatt agggcagcta aaaaagtcta atgcctctgt catgtattac 120
cacagaaggc aagcccagca caaactcgag 150

<210> 2105
<211> 176
<212> DNA
<213> Rattus sp.

<400> 2105

gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2106
<211> 345
<212> DNA
<213> Rattus sp.

<400> 2106
gaattcggcc aaagaggcct acttggtaga ttatccaaac atcgtcaaat tttcatgcta 60
tttattttat ttcttttttt ttttttttt tgccaaaaga tgagttgtgt ttgtttgaaa 120
tctgagacac tgtgttccat ttggtgtttc tgttcaaatg catcctcatt gtcctggaaa 180
cccttcccca gatgtcacac tacatgtcag gtccaggagg atgactcgca agtcctacag 240
gtttcattac gaaaacttca aggttcccag tggaaaccтg gaaaccgtca gctgatgctc 300
accaaatgct cgcccttcac ccctgcgggg gcctggcagc tcgag 345

<210> 2107
<211> 176
<212> DNA
<213> Rattus sp.

<400> 2107
gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2108
<211> 176
<212> DNA
<213> Rattus sp.

<400> 2108
gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2109
<211> 203
<212> DNA
<213> Rattus sp.

<400> 2109
gaattcggcc aaagaggcct agctctgaac tctggactct gggaaaagca ttgaccatga 60
ggttgaccct gttattggct gccctacttg ggtatatcta ctgtcaagaa acgtttgtgg 120
gagatcaagt tcttgagatc atcccaagtc atgaagagca aattagaact ctgctgcaat 180
tggaggctga agagcatctc gag 203

<210> 2110
<211> 323
<212> DNA
<213> Rattus sp.

<400> 2110
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt gcaggtctct ccacccaatg aaaatattat aattaataat ccatcaaggc 240
cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggtct ggaaatgaaa 300
atgaattcaa aggatggctc gag 323

<210> 2111
<211> 308
<212> DNA
<213> Rattus sp.

<400> 2111
gaattcggcc aaagaggcct acctttcttt cctcccttcc tcctcccatg tccctctctc 60
ctccctccca cctctcaccc ttctccatcc ctcctccctc ttttcttttg tactttccag 120
ctggagcagc agcagcagct gggcctgaat caatgattga cttccccacg acctcccctt 180
ctcttttgcc aatgatatct ctttgcccct ccagtcatct tttaatttta tcgtgtatgg 240
ttttgcttct ccttcctcct cctcctctct tccctctttc tccccccctct cccccaccga 300
cagtcgag 308

<210> 2112
<211> 203
<212> DNA
<213> Rattus sp.

<400> 2112
gaattcggcc aaagaggcct agctctgaac tctggactct gggaaaagca ttgaccatga 60
ggttgaccct gttattggct gccctacttg ggtatatcta ctgtcaagaa acgtttgtgg 120
gagatcaagt tcttgagatc atcccaagtc atgaagagca aattagaact ctgctgcaat 180
tggaggctga agagcatctc gag 203

<210> 2113
<211> 402
<212> DNA
<213> Rattus sp.

<400> 2113
gaattcgtcc aaagaggcct acactgacaa cttcaaagca aaatgaagtt cgttctgctg 60
ctttccctca ttgggttctg ctgggctcaa tatgacccac acactgcgga tgggaggact 120
gctattgtcc acctgttcga gtggcgctgg gctgatattg ccaaggaatg tgagcggtac 180
ttagcaccta agggatttgc aggggtgcag gtctctccac ccaatgaaaa tattataatt 240
aataatccat caaggccttg gtgggaaaga tatcaaccaa tcagctacaa aatttgctca 300
aggtctggaa atgaaaatga attcaaagac atggtgacga ggtgcaacaa tgttggtgtc 360
cggatttatg tggatgctgt cattaatcac atgacactcg ag 402

<210> 2114
<211> 545
<212> DNA
<213> Rattus sp.

<400> 2114
gaattcggcc aaagaggcct aggggtcggc agaaggcttc aggtcccctg aacttggggt 60
tactggtgac gggcactgcc atgtggatgc cgggggctgg acctggacta tcgggaagag 120
caggcactgc tggctgctga gtcatggctc tcacctcgct tgctcttgag acaggaccct 180
gcttcgcaat aggccaggtt ggtcttgacc gtattacgta gtccaggtta accttgaact 240
caaactcctc ttatgtctcg ggtccccaaa ggtgggaatt ttccgtgtgg gacgccatgc 300
cgggtactct gtgctctagg attttattct gttttattcc attgcattgc tgggccttga 360
ggatgctctg atctgtgata gcatattgga cctcctgctg ttgtctaagg atacagtgcc 420
cattcacggt ccctgcagtc ttccaagact ctcttcaaag gacaattgtg ggcttccaaa 480
acaatcttag tgcccgctgc ttctccatta ccatagccaa cacgttctca cccacaaaac 540
tcgag 545

<210> 2115
<211> 427
<212> DNA
<213> Rattus sp.

<400> 2115
gaattcggcc aaagaggcct agagcttttc ggtgtatgta ccctggaggt caagattatg 60
caggatttcc tggttgtggt ttactccgac tgcatagcac ctacagacac gacctcaaaa 120
tatatgcctc tgatgaaggg cgggtccaga tgacggcagc tgccttcgca aagggtctct 180
tggctctaga aggagagctt acccccattc tggttcagat ggtgaaaagt gcaaatatga 240
acggcctttt ggacagcgac agtgactctt tgagtagctg tcagcagcgt gtgaaagcga 300
ggcttcatga gatacttcag aaagacagag attttacagc cgaagactac gagaagctta 360
ctccatctgg aagcatttct gttatcaaat caatgcatct aattaaaaac ccagtgaaaa 420
cctcgag 427

<210> 2116
<211> 178
<212> DNA
<213> Rattus sp.

<400> 2116
gaattcggcc aaagaggcct aagcattgac catgaggttg accctgttat tggctgccct 60
acttgggtat atctactgtc aagaaacgtt tgtgggagat caagttcttg agatcatccc 120
aagtcatgaa gagcaaatta gaactctgct gcaattggag gctgaagagc atctcgag 178

<210> 2117
<211> 314
<212> DNA
<213> Rattus sp.

<400> 2117
gaattcggcc aaagaggcct actccacact catcttttaa ttttgaaagc ctcagaacac 60
ctggaccact tctttggaaa actgttctac cagcaacaag tcatccactg cgatcctgtt 120
gagcatagcc acatctgagt tttccaagtc taaacaggac tgcctctgat tttcccatga 180
agctgcatta ttgtctgtcc atcttactgg tggtcacttt tgtgccaact gctctggttt 240
tggaagatgt gactccactg ggaacgaatc agagttcata caatgcatca tttctttcga 300
gctttacact cgag 314

<210> 2118
<211> 323
<212> DNA
<213> Rattus sp.

<400> 2118
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt gcaggtctct ccacccaatg aaaatattat aattaataat ccatcaaggc 240
cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggtct ggaaatgaaa 300
atgaattcaa aggatggctc gag 323

<210> 2119
<211> 579
<212> DNA
<213> Rattus sp.

<400> 2119
gaattcggcc aaagaggcct agagcaatgg tcaacacctt tctctgcctt ggggctgggc 60
aaaccaacag tccaggcaaa aggcagggca ctttctggag gaggtgtcag caccaaggca 120
gatggctgac tccaaagctc tccgtgctct cctgcatggg gcctaaatga tggcatgagc 180
cggtctccct ggcctatctg ggttccaatc cttggtagga ttagtctgca ggggctgcat 240
tgtaggcaga gctcaccaaa ccaagactta cacttcctca gcccctggaa gcacagctac 300
aaaatcactg gacttcaaac cagaaaaccc agccttgaca cagtacagat gacaaccatc 360
tggctcactt gaatgtaaag cgaccccaca cacacttgca tttgtaggca gggacgctca 420
cattgctcaa ggcttccttg gccggaatga agcaaaccag agctcaaacc aagcagagtg 480

actccaagcc tgtccatagc cacccactat gcttaagtaa gatgtcctcc ctcaaagctg 540
ctgcagtaaa gccatgagca gattcctgtt ctgctcgag 579

<210> 2120
<211> 310
<212> DNA
<213> Rattus sp.

<400> 2120
gaattcggcc aaagaggcct aagcttgggc gcagaacaca ctcaaagttc ccaaaggagc 60
tccacctgtc tatacctcct ctcagctcag tcccacaagg cagaataaaa aaatgaagac 120
cgtttacatc gtggctggat tgtttgtaat gctggtacaa ggcagctggc agcatgcccc 180
tcaagacacg gaggagaacg ccagatcatt cccagcttcc cagacagaac cacttgaaga 240
ccctaatcag ataaacgaag acaaacgcca ttcacagggc acattcacca gtgactacag 300
cgcactcgag 310

<210> 2121
<211> 354
<212> DNA
<213> Rattus sp.

<400> 2121
gaattcggcc aaagaggcct agtggggtag gaactgaagg aaatatagga ccatgcaggg 60
attttatctc aatgagagaa gttctgatta tattaggaat ccaccaaaga ccatcattgt 120
gactggatcc acacagctaa gtctttgctc agtgaacatg gtcaagaaga ggctggaaaa 180
acccaaagca cacagttacc tttccatggg aggctaagct atcaaaagcg gtgttcagtt 240
atacaacaag caagccaagc caccaaatta caaacagtgg tgttacatat ttctcgtgca 300
atgtgggttt cctgctaaat tttgttgttt ttacacttga tttatatcct cgag 354

<210> 2122
<211> 435
<212> DNA
<213> Rattus sp.

<400> 2122
gaattcggcc aaagaggcct ataaaattat taagtatata tccaaatttc aaactcctct 60
ttcccaaaac aacgctggcg agcctagcaa gttagcaaaa atctttgtta agaatataga 120
atagcgctca ccatagggtc tgtgttccaa agccacacct cagttccccc actatcagaa 180
taccatacta gtggttctta actagtaaag gctaaagaga acctttactt tcccactatc 240
ctcagcaacc taggtctttt actgtattca ccaatgccca ttgtacatca gtttttcttc 300
catccttcct gcctaactgc cttcctttct tacttctttt tgtttcaaat ctctttctgt 360
ttatttcttt tgtgtctgtg gacattcact gggacgtggc atggcagatg tatggacaca 420
acggggcagc tcgag 435

<210> 2123
<211> 339
<212> DNA
<213> Rattus sp.

<400> 2123
gaattcgcca aagaggccta ccaaaagggt ctgctacatc ttaggaaggt agagaccctt 60
ggtggccgcc cctttagaag agcagctgcg cagggctggg acattttaat gaaggctctg 120
tattaaagag ttggctcttt ctttccttat cctttcctct atttggaaat gtcctcctct 180
aatctcccct aatcccaccc cctccttgtg gggcagggga ccaggcagcc tggagaggcc 240
aagagaggag ctgcaggatt gggtggggca ctggcaggag actcccacgt agccctgtgc 300
atggggtggt tgcatatttg caggtaagag ccactcgag 339

<210> 2124
<211> 323
<212> DNA

<213> Rattus sp.

<220>
<221> unsure
<222> (114)

<220>
<221> unsure
<222> (120)

<220>
<221> unsure
<222> (191)

<400> 2124
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtcnacctgn 120
tcgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt ncaggtctct ccacccaatg aaaatattat aattaataat ccatcaaggc 240
cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggtct ggaaatgaaa 300
atgaattcaa aggatggctc gag 323

<210> 2125
<211> 320
<212> DNA
<213> Rattus sp.

<400> 2125
gaattcggcc aaagaggcct atgactatag ggaaagtcac atgggcatat acaagtgtca 60
aactcggaaa ctgcacgcca tgaacatgta taatttacca tatgtcaaag aagccatttt 120
tgggtttttg ggggtgggtt tgtgtgtttg tttgtttgtc ttttaaagtc tgttgcccag 180
caagttggct cagtgggtaa aggtgtttgc tccaaagctt aaagcctggg ctcaatcgcg 240
agaactcatg tggtagaacg ggagagccca ccattacaaa ctgtgctttg acttccatat 300
gtctgcccat aacactcgag 320

<210> 2126
<211> 316
<212> DNA
<213> Rattus sp.

<400> 2126
gaattcggcc aaagaggcct acagccaagg actaactacg accatgagat tggcagtgat 60
ttgcttttgc ctatttggca ttgcctcctc cctcccggtg aaagtgactg attctggcag 120
ctcagaggag aagaagcttt acagcctgca cccagatcct atagccacat ggctggtgcc 180
tgacccatct cagaagcaga atctccttgc gccacagaat gctgtgtcct ctgaagaaaa 240
ggatgacttt aagcaagaaa ctcttccaag caattccaat gaaagccatg accacatgga 300
cgacagtgat gtcgag 316

<210> 2127
<211> 138
<212> DNA
<213> Rattus sp.

<400> 2127
gaattcggcc aaagaggcct acgagtggtg atggtgatga tgatggtggt ggtgattatg 60
atgataatga tggtgatgac cacagtgatt gatctgagag gtgctgactg gtgcgaggca 120
ggtctagaat tcaatcgg 138

<210> 2128
<211> 395

<212> DNA
<213> Rattus sp.

<400> 2128
gaattcggcc aaagaggcct actgtcgggc aagtgcaatt ctagactgag catggttttc 60
tggaacagat gatcttggat gatcaggaat ccgaggacct ggaccgtcca tcattgagcc 120
accagtttgc tggagcacag acatgggtgt tctagcactt ccaaggggtt ctagcattcc 180
aggtgatcta catcggtcaa gaggagttgg tgacatgcta ggacgactaa aacagctcat 240
tctagagcta ctaagtgcta caggaggtgt ccgagatcca gaatgattcc ttgttgctgg 300
aggagtggca gaacgtgagc gatcagaact acttccagat gcagaccgcc tacggatggc 360
tggaggagat cttgttaaag atcgcttgcc tcgag 395

<210> 2129
<211> 323
<212> DNA
<213> Rattus sp.

<400> 2129
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt gcaggtctct ccacccaatg aaaatattat aattaataat ccatcaaggc 240
cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggtct ggaaatgaaa 300
atgaattcaa aggatggctc gag 323

<210> 2130
<211> 386
<212> DNA
<213> Rattus sp.

<400> 2130
gaattcggcc aaagaggcct aagaaacgcc tgggccttcg gaaaggagtg attgattagt 60
acttgcaagt ttaggtgact ttaaggagaa ctaactaatg tatactattg agggaggagg 120
aagagcatta cagagtttcc agcagcagca ggaaagcttt ggttagtttg gaaatggatg 180
atagcattaa aataacagaa gcgcctccag gtctctgaag cttcagtccc ccagctgaaa 240
gccagaaaag actaagccca ctaagccttt tgatcccttt ggaagcaaag aactttcctt 300
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caaaaccaag acagaagagc ctcgag 386

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tctaatcgga ggagctctcg ag 202

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agtggggcct gactccaggg aaattgatac cattaagcat gtttggtaat tggatcgtta 180
ttagttttat caaaggtgaa taaagttaat tctgtgattc tgagaatgtt aaataatgat 240

tataataaaa ttttaatcga attagaattc ttgccagaga gggaaaggga agtgaggaaa 300
gccacggtgc ccgtctccga gtgtcatcga ggtcaggggt ggggctcagt cctactcagg 360
agctccttgt tggcagggac ctcgag 386

<210> 2133
<211> 403
<212> DNA
<213> Rattus sp.

<400> 2133
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gtccagaggg ctgcgcggct cgtcccctcg gctggcggaa gggggtgacg ctgggcagcg 360
gctaaggagc gcgccgcagg ctctggcggg ctttcggctc gag 403

<210> 2134
<211> 343
<212> DNA
<213> Rattus sp.

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ttgtataacc ttggttggcc tggacccaca gagatctgcc ggcctctgcc ttacagtgcg 180
gagataaaaa gcacacacca ccatgcacca ctattttggg tggtgtgggt tacttttgtt 240
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<212> DNA
<213> Rattus sp.

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cacagaaggc aagcccagca caaactcgag 150

<210> 2136
<211> 344
<212> DNA
<213> Rattus sp.

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ctgagacact gtgttccatt tggtgtttct gttcaaatgc atcctcattg tcctggaaac 180
ccttccccag atgtcacact acatgtcagg tccaggagga tgactcgcaa gtcctacagg 240
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<212> DNA
<213> Rattus sp.

<400> 2137

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tttgccttct ctggaaagct cagtcacttc acaggtgtag tttcccacca cagcctcatg 180
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tttgcaaggg atgaccacag tgtcattgca tgacgtgaac tctacagatt tgactttact 420
aagcaggagt tgagctgaac cgcagcagca ggagcccagc aacagcgccg ccgccaaggg 480
ccacatctcc gcgccgccgg gggtcgccgc cgcaggtgtc tcgag 525

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<211> 198
<212> DNA
<213> Rattus sp.

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accctgttat tggctgccct acttgggtat atctactgtc aagaaacgtt tgtgggagat 120
caagttcttg agatcatccc aagtcatgaa gagcaaatta gaactctgct gcaattggag 180
gctgaagagc atctcgag 198

<210> 2139
<211> 311
<212> DNA
<213> Rattus sp.

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aagtgaaggt aaacgctttt tcagttcttc tgttttatca aagaaaaagg cattccatcc 180
atccaccatt ctctgtggaa tctgctttcc atcaaagatc tcttgcagaa ctgggataac 240
tggtggcttt cgttgctgca gaaagtacag caccataagg atataagcat atgaagataa 300
acttcctcga g 311

<210> 2140
<211> 408
<212> DNA
<213> Rattus sp.

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aggtgatggt gcagcccatc aaccttatct tcagatactt gcaaaataga tctcgaattc 120
aggtgtggct gtatgaacaa gtgaatatgc ggatagaggg ttgtattatt ggctttgatg 180
agtacatgaa cctcgtatta gatgatgcag aagaaattca ttctaaaaca aagtcaagaa 240
aacaactggg tcggatcatg ctcaaaggag ataatattac tctgctccaa agcgtttcca 300
actagcagtg gccaagcatg ggagaggttg agaaggggct caggggctgc tggtgactac 360
atttactcat cctgtttcac ttgtacattc tcattggggt aactcgag 408

<210> 2141
<211> 429
<212> DNA
<213> Rattus sp.

<400> 2141
gaattcggcc aaagaggcct agaaaagttc tccaattagt ataatgaatg agtatttccc 60
gtactgagta atatttcatc ccccgggtag cacaggctaa ggtgaaactg tttcatatgt 120
ttgatagaat agtctaactt tgattttaaa acgaccaaca ctttggccga attgagtggg 180
gggaaaagtc ccgagtcttt gttgcttctt ggttttcatt tcttctgtgg taactttact 240
gttaagtttc ttctttagcc atgattggca aattgtattt tctttaaaaa tcatgctttg 300
tgcacatttt caaggaggtt agtgtcactt aatggaggct tacgtgtttt tatgaattgg 360

ttacacagga cagaagccca acactaacaa agacagggat aaaattgtct cctggtgtgc 420
cgtctcgag 429

<210> 2142
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<212> DNA
<213> Rattus sp.

<400> 2142
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ttttaaccac tgtctccata ctcataaaag ataaaagaaa tggaaatttc atggtaagtg 180
gagtatttgc ctggtctcaa agtgcttcct cacagaatat ttactgatga cacaggggaa 240
aagagtagct tcatggtact agatgctaga ggacgtcact tgcacagatg atcagagtaa 300
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acatgctggt cctgccaaag gtgcgtgacc tggactgagc tgtgaggaag caccttctac 420
agagcagctg agctggaaac tctcacggtc atcaacatcc agggaagact tagggacttt 480
tgaaactgat gggctctttt aaaaccccga tggcagcact cgag 524

<210> 2143
<211> 553
<212> DNA
<213> Rattus sp.

<400> 2143
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aagtcaagag gctcaaacct tcgtgttcac tttaagaaca cccgggaaac tgcccaggcc 120
atcaagggta tgcatatccg caaagccacc aagtatctga aggatgtcac tttaaagaag 180
cagtgtgtgc cattccggcg gtataatggt ggagttggta ggtgcgccca ggccaaacag 240
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aaaaatgcag agagtaatgc tgaacttaag ggtttggatg tagactctct ggtcattgaa 360
cacatccagg tgaacaaggc tcctaagatg cgcagacgga cctacagagc tcacggccgg 420
attaacccat acatgagctc cccctgccac atcgagatga tcctcactga gaaggaacag 480
attgttccaa agccagaaga ggaggttgca cagaagaaaa agatatccca gaagaaattg 540
aagaaagctc gag 553

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<211> 454
<212> DNA
<213> Rattus sp.

<400> 2144
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accttgccca tcctctgaca gtcagtttac cctccaagct cttgagttca aatcagagtg 120
ccacactggg gtaccaccca ggaatgcttt agtgcctgtg ggcaaggggc aaggttgcgg 180
gaagggtttg aacatttgag aatggttaat aaaattgagc cgattgatgg tgggagagac 240
ggcgtaatgg ttaagaaaga gtatgtacag ctgccaagga ccccagtttt gttttcagca 300
acctaagttg tttgtacctt agaactgtct gtaacttggg cagctcataa atgcctgtaa 360
ctccagcctc tgcactctaa atgtactcta agttacatgc agatacacac atgtagttaa 420
aaataataaa aatctgaaaa caaaggagct cgag 454

<210> 2145
<211> 314
<212> DNA
<213> Rattus sp.

<400> 2145
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ctggaccact tctttggaaa actgttctac cagcaacaag tcatccactg cgatcctgtt 120
gagcatagcc acatctgagt tttccaagtc taaacaggac tgcctctgat tttcccatga 180

agctgcatta ttgtctgtcc atcttactgg tggtcacttt tgtgccaact gctctggttt 240
tggaagatgt gactccactg ggaacgaatc agagttcata caatgcatca tttctttcga 300
gctttacact cgag 314

<210> 2146
<211> 473
<212> DNA
<213> Rattus sp.

<400> 2146
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aaagagattt gatatcccga gagatcagca agttcagaga cacacacaag aaactggaag 120
aagagaaagg caaaaaagaa aaagaaagac aggaaattga gaaagaacgg gagagagaac 180
gggagagaga gagagaacgg gagagagaac gggagcgtga aagagagaaa gacaagaaaa 240
gagacagaga agaggatgaa gaagatgcat atgaacgaag aaaacttgaa agaaaactgc 300
gagagaaaga ggctgcgtat caagagcgcc ttaagaattg ggaaatcaga gaacgaaaga 360
aaactaggga atatgagaag gaggcggaaa gagaagaaga aagaagaaga gaaatggcta 420
aagaggctaa acgattaaaa gaattcctag aagattatga cgatgacctc gag 473

<210> 2147
<211> 104
<212> DNA
<213> Rattus sp.

<220>
<221> unsure
<222> (42)

<400> 2147
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tcatcatgtt gctatcaatg gaaagattat ttgtaatcct cgag 104

<210> 2148
<211> 334
<212> DNA
<213> Rattus sp.

<400> 2148
gaattcggcc aaagaggcct aaagaggtgc tgaagaagaa ctgcccacac attgttgtgg 60
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aacactttat cttggacgaa tgtgacaaga tgcttgaaca gctcgacatg cgtcgggatg 180
tccaggaaat ttttcgcatg acccccccatg agaagcaggt catgatgttc agtgctacct 240
tgagcaaaga gatccgccca gtgtgccgca agttcatgca agatgtaaat accttctacc 300
ttctctccct ccactccccg cccgcatgct cgag 334

<210> 2149
<211> 489
<212> DNA
<213> Rattus sp.

<220>
<221> unsure
<222> (106)

<220>
<221> unsure
<222> (130)

<220>
<221> unsure

<222> (164)

<220>
<221> unsure
<222> (241)

<220>
<221> unsure
<222> (273)

<220>
<221> unsure
<222> (364)

<400> 2149
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tcaattctgn ttttcattag tcaatgacaa cccccatcat ccantgtgga agagaaatca 180
aaggtgcatg tgtgtgaatg agagtaactg atgaaactga ttagtaccag acttaacggc 240
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aggaacactc cttctgtatc agtgactcgc ttcgttttag acactcatac ggaaaagttt 360
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agtctcgag 489

<210> 2150
<211> 563
<212> DNA
<213> Rattus sp.

<400> 2150
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tgaggaggca tcacatcagg cagcaacaac tttgtggaaa gctggatgaa ctggtcagta 180
gcaggaaatg gaggggagca ctgggttagc ctcttagaaa ggtcaacccg tttgaggtga 240
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gtgtacctcc ttaaggaata aaaggcattc agggagttcc caggcaaggg gtgccagaat 360
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agggatagcc tccaagctga gtgccagggt cacaagagga tgcaggaccg cccacgcttt 480
atcggtgttg ggttgagcac cgcccggaca gcctcggcaa acacctcctt gacaccgtct 540
tgctgcagcg ctgagcactc gag 563

<210> 2151
<211> 523
<212> DNA
<213> Rattus sp.

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aatttaccgc ggccagaaca tccctcccag ccggcagttt acaatgctgc gaactaagga 180
tctcatctgg actttgtttt tcctgggaac tgcagtttcc ctgcaggtag atattgttcc 240
cagccaagga gaaatcagcg ttggagagtc caaattcttc ctgtgtcaag tggcaggaga 300
tgccaaagat aaggacatct cctggttctc ccccaacggg gagaaactga gcccaaacca 360
gcagcggatc tcagtggtgt ggaacgatga tgactcctct accctcacca tctacaacgc 420
caacattgat gatgccggca tttacaagtg cgtggtcacc gctgaagacg gcacccagtc 480
cgaggccact gtcaatgtga agatcttcca gaagacactc gag 523

<210> 2152
<211> 295

<212> DNA
<213> Rattus sp.

<400> 2152
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aggcatggga ggccagggag gtgcctgcat cagggtgacc tatgatgggg agaactgcaa 180
atctggggac acagaggatg gtcagcaaat gcccctgaaa acacccatcc cacgaggcat 240
attaacactg ggtggatgtc cagtcaaatg ggcaggtaat ttagggtgcc tcgag 295

<210> 2153
<211> 460
<212> DNA
<213> Rattus sp.

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tcctcagcct gtaggacagc aggccaataa tagcccacca gtgactcaga catcagtagg 120
gcaacagaca cagccattgc ctccacctcc accacagcct gctcagctct cagtccagca 180
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taatggggtg gatggtaatg gagtaggaca gtctcaggcg ggttctggat ctactccttc 300
agagcctcac ccagtgttgg agaaacttcg gtccattaat aactataacc ctaaagattt 360
cgactggaat ctgaaacacg gccgggtttt catcattaag agctactctg aggacgatat 420
ccaccgttcc attaagtata atatctggta caatctcgag 460

<210> 2154
<211> 365
<212> DNA
<213> Rattus sp.

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gaattcggcc aaagaggcct acaaattcaa agaggtgaag cgggcaggac tcaatgagat 60
ggtggagtat atcacccaca gccgtgacgt tgtcaccgag gccatctacc ccgaggctgt 120
caccatgttt tcagtgaatc tcttccggac gctgcctcct tcatcgaatc ccacaggagc 180
cgagtttgac cctgaggaag atgagcctac cttggaagcg gcctggccac atctccagct 240
tgtgtatgag tttttcttac gtttcttgga atctccagat ttccagccga atatagccaa 300
gaagtacatt gaccagaagt ttgtacttgc tctcctggac cttttcgata gcgaagaccc 360
tcgag 365

<210> 2155
<211> 283
<212> DNA
<213> Rattus sp.

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tcaagcgttc ttctaaatcc gagatcatca cttcttgctt attcctgatt ttggctaagt 180
tttttgcctt ttcttcctct tcagccagct gagaggaaca ctcagcaatt cgatcttcca 240
tgagtttctt ttctttgata aatttggaat tctggtcctc gag 283

<210> 2156
<211> 359
<212> DNA
<213> Rattus sp.

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ccctctgggc tccacccaac tccatctcct gcccctggtc cccatgctcc attaatgcct 180

ccgtccccac cttcacaagt cctgcctgcc tctgagccaa agcgccatcc ttccacccta 240
cccgtgatca gtgacgcgag gagtgtgctg ctggaggcca tacggaaagg cattcagctt 300
cgcaaagtgg aagagcagcg tgaacaggaa gcaaagcatg agcggatcga aaactcgag 359

<210> 2157
<211> 357
<212> DNA
<213> Rattus sp.

<400> 2157
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atttttttaa gcattgtcta ctttggtcat taagtattgt ctactttggt cattaagtaa 240
gtattgtcta ctttggtcat tctgaaaagc atctgctttc tgaattgtga ctatgtttgc 300
tgggttattg ctcttcatat aagagaatta tacctcaata atgcaacgcc cctcgag 357

<210> 2158
<211> 316
<212> DNA
<213> Rattus sp.

<400> 2158
gaattcggcc aaagaggcct aatcttttcc cctgggggag ttatgaagaa gcagtatctt 60
cctcctccta aagtcctaac aataaaccga agtttgattc cacaagttaa cgccgaagaa 120
caaatcattt atttgagagc atgggtgaag gggtatgggc gggagtatga ccctaaagta 180
gccactggaa gatctgtacc ctgcatgagt gatgaccccc atggctagat attatgtagt 240
cccttcgcca tgtcttttca ggcctacata ctgtaactac tcctgagaac ccaaggtcaa 300
gtgcaattca ctcgag 316

<210> 2159
<211> 303
<212> DNA
<213> Rattus sp.

<400> 2159
gaattcggcc aaagaggcct atttaatttta atttttagtg ctagggatag agtctacaac 60
cttgctcgtg ctaggaaaca ttttaccact ggcttgtagt cccagcccat tttccttctt 120
tgtcctctcc tctttacctc aaatgctctt taaccccaaa ttaattttta cttagactgt 180
ggcaggtatt tttaaccttt ttctccttca aaggctatta gaatacaaag cacattgctc 240
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gag 303

<210> 2160
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<212> DNA
<213> Artificial Sequence

<220>
<223> linker sequence

<400> 2160
gaattcggcc aaagaggcct a 21

<210> 2161
<211> 21
<212> DNA
<213> Artificial Sequence

<220>

<223> linker sequence

<400> 2161
gaattcggcc ttcatggcct a 21

<210> 2162
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<213> Artificial Sequence

<220>
<223> linker sequence

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<222> (7)..(8)

<400> 2162
gaattcnn 8

<210> 2163
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<212> DNA
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<220>
<223> linker sequence

<220>
<221> unsure
<222> (1)..(9)

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<211> 15
<212> DNA
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<220>
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<220>
<221> unsure
<222> (1)..(9)

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nnnnnnnnng tcgac 15

<210> 2165
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> linker sequence

<400> 2165
acggcctctt tggccctcga gaca 24

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :C07K 14/435; C12N 15/12
US CL :530/350; 536/23.5
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 530/350; 536/23.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EMBL5, Genbank, USPAT issued, EMBLest58, Genbankest111
search terms: sequences corresponding to SEQ ID NO: 48, 79, 267, 531, 724, 802, 993, 1192, 1333, and 1416

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
X	WO 98/42738 A1 (HUMAN GENOME SCIENCES, INC.) 01 October 1998, pages 207-208, positions 402-730 of SEQ ID NO: 54 relevant to positions 21-350 of instant SEQ ID NO: 993.	4, 8
X	Database Genbank on STN, National Center for Biotechnology Information, (Bethesda, MD), Accession number C06368, TAKEDA, J., 'Direct Submission,' 11 October 1996, positions 16-372 relevant to positions 29-385 of instant SEQ ID NO: 1416.	4, 8
X	Database Genbank on STN, National Center for Biotechnology Information (Bethesda, MD), Accession Number AA491109, NCI-CGAP, 'National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index,' 15 August 1997, positions 1-136 relevant to positions 159-24 of instant SEQ ID NO: 1333.	4, 8

[X] Further documents are listed in the continuation of Box C. [ ] See patent family annex.

*	Special categories of cited documents:	"T"	later document published after the international filing date or priorit date and not in conflict with the application but cited to understan the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot b considered novel or cannot be considered to involve an inventive ste when the document is taken alone
"E"	earlier document published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot b considered to involve an inventive step when the document combined with one or more other such documents, such combinatio being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 11 FEBRUARY 2000	Date of mailing of the international search report 29 FEB 2000
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer JOHN S. BRUSCA Telephone No. (703) 308-0196

Form PCT/ISA/210 (second sheet)(July 1992)*

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Database Genbank on STN, National Center for Biotechnology Information (Bethesda, MD) Accession Number AA442056, HILLIER et al, 'WashU-Merck EST Project 1997,' 02 June 1997, positions 60-226 relevant to positions 21-187 of instant SEQ ID NO: 1192.	4, 8

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Please See Extra Sheet.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-8

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING
This ISA found multiple inventions as follows:

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack Unity of Invention because they are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for more than one species to be searched, the appropriate additional search fees must be paid. The species are as follows:

The nucleic acids of SEQ ID NO: 1-2159 and the corresponding polypeptides encoded by the nucleic acids of SEQ ID NO: 1-2159.

The claims are deemed to correspond to the species listed above in the following manner:

All claims are drawn to the species indicated above.

The following claims are generic: 1-8

The species listed above do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: Each species is drawn to a different nucleic acid or corresponding encoded polypeptide. There is no disclosed relationship between the sequences of each individual species.

Restriction to a single species has been waived sua sponte and the Applicants are permitted to have ten species examined without payment of additional fees. The Applicants representative Suzanne Sprunger elected telephonically on 01 February 2000 to have the sequences corresponding to SEQ ID NOS: 48, 79, 267, 531, 724, 802, 993, 1192, 1333, and 1416 searched.